HITACHI
SERVICE MANUAL

YK | No.0134E

CT4520K CT4521K
CT5522K CT5080K

NTSC | VP7X2 Chassis

R/C:CLU-490IR { CT4521K, CT5522K }
CLU-360 { CT4520K, CT5080K }

The CT4520K/CT4521K/CT5522K/CT5080K are the same as the CT4580K/CT5582K/CT5081K excepting that their CRTs, CPT P. W. Boards and Conver. Adj. P. W. Board are different.
So, when servicing these models, use this manual together with following service manuals.

- **Reference models and manuals**

MODEL	REFERENCE MODEL	REFERENCE MANUAL No.
CT4520K CT4521K	CT4580K	No. 0272E No. 0272E-1 (SUPPLEMENT)
CT5522K	CT5582K	No. 0273E No. 0273E-1 (SUPPLEMENT)
CT5080K	CT5081K	No. 0271E No. 0271E-1 (SUPPLEMENT) No. 0271E-2 (SUPPLEMENT)

SPECIFICATIONS AND PARTS ARE SUBJECT TO CHANGE FOR IMPROVEMENT

PROJECTION COLOR TELEVISION

September 1989 YOKOHAMA WORKS

CONVERGENCE ADJUSTMENT

Since the sub-convergence adj. P. W. B. is added, certain parts of the adjustment procedure are different.
When re-adjusting the convergence, add the following procedure to the adjustment procedure shown in the VP7X2 service manual (No. 0296E.F) issued previously.

2-4. Convergence adjustment

2-4-3. Dynamic convergence adjustment

Additional item for adjustment preparation

(11) Connect the RHR, RHL, BHR and BHL connectors on the sub-convergence adj. P.W.B. to the standard positions shown below. (Refer to Fig. 2-4-3.)
RHR, RHL, BHR ..... Pin No. 3
BHL ..... Pin No. 2

Additional items in adjustment procedure

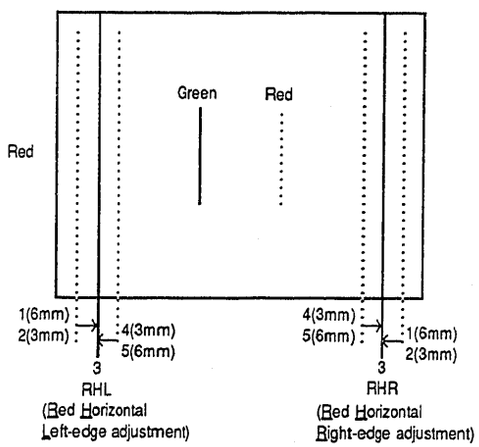
(4) After performing the dynamic convergence of the vertical line according to Table 2-4-3, if the misconvergence is too much, re-adjust following the procedures (a) to (c) shown below.

(a) Fig. 2-4-3 shows the moving direction and movement amounts of the red and blue vertical lines when each connection pin of the RHR, RHL, BHR and BHL connectors is changed. Referring the Fig., select the connection pin of the required connector.

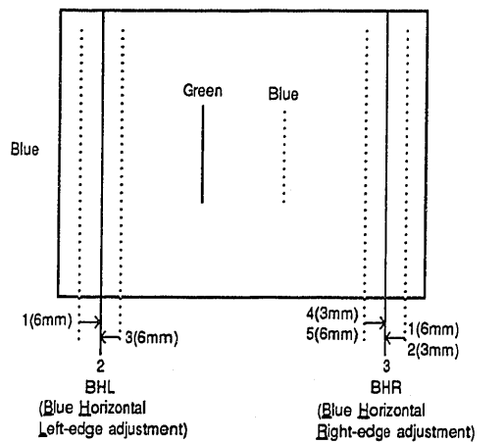
(b) After selecting as above, re-adjust the dynamic convergence according to Table 2-4-3.
Also re-adjust the red and blue static convergence.

(c) After re-adjustment is completed, if misconvergence of the vertical line is still too much, return to (a), change the connection pin and re-adjust.

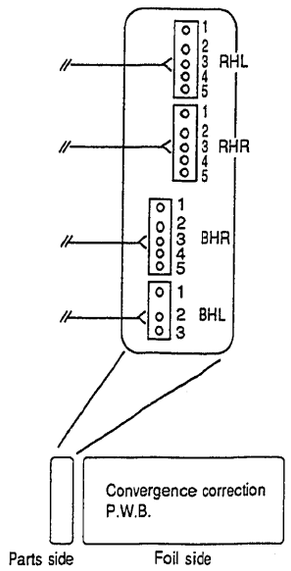
Moving of the red vertical line by changing the connection pins for RHR and RHL connectors



Moving of blue vertical line by changing the connection pins for BHR and BHL connectors



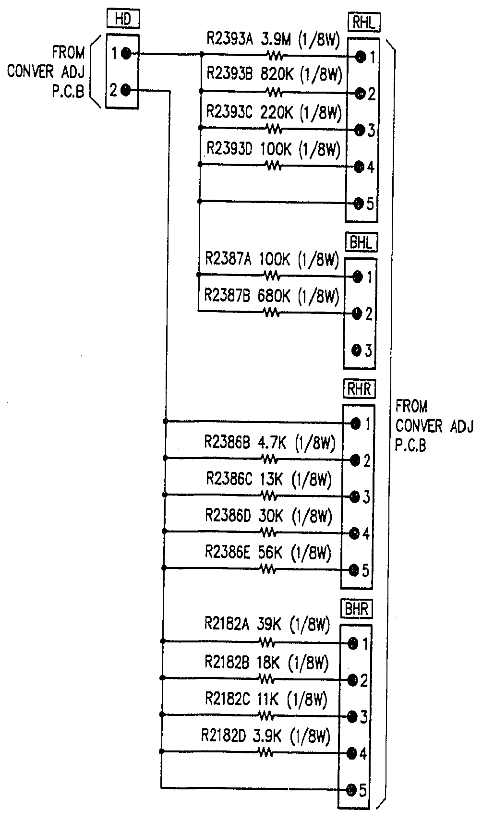
Sub convergence correction P.W.B.



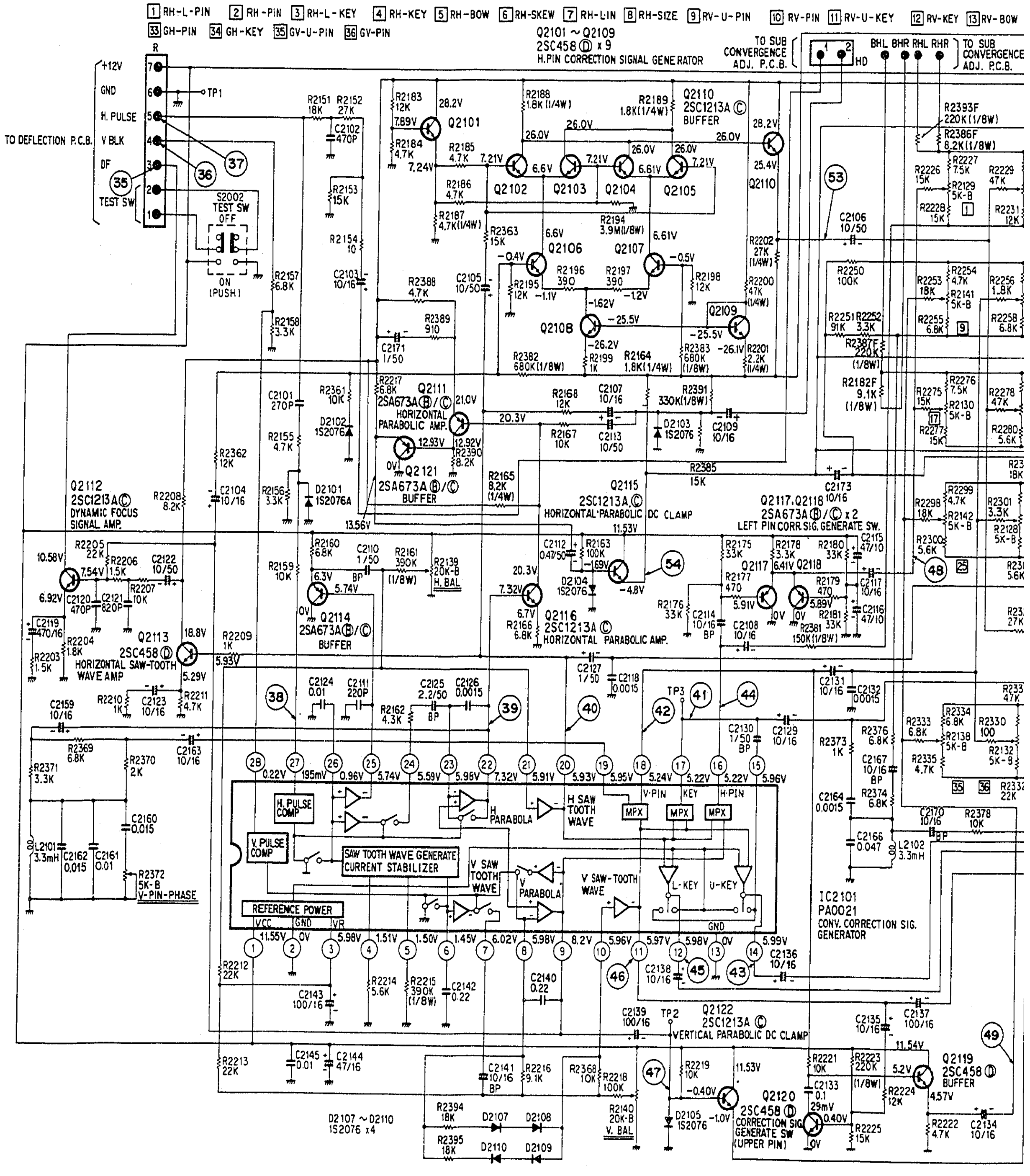
Note: In the diagram;
1) Number shows the connector pin No.
2) Arrow mark shows the moving direction of the vertical line when each connector is selected and number inside ( ) shows the amount of movement.

Fig. 2-4-3

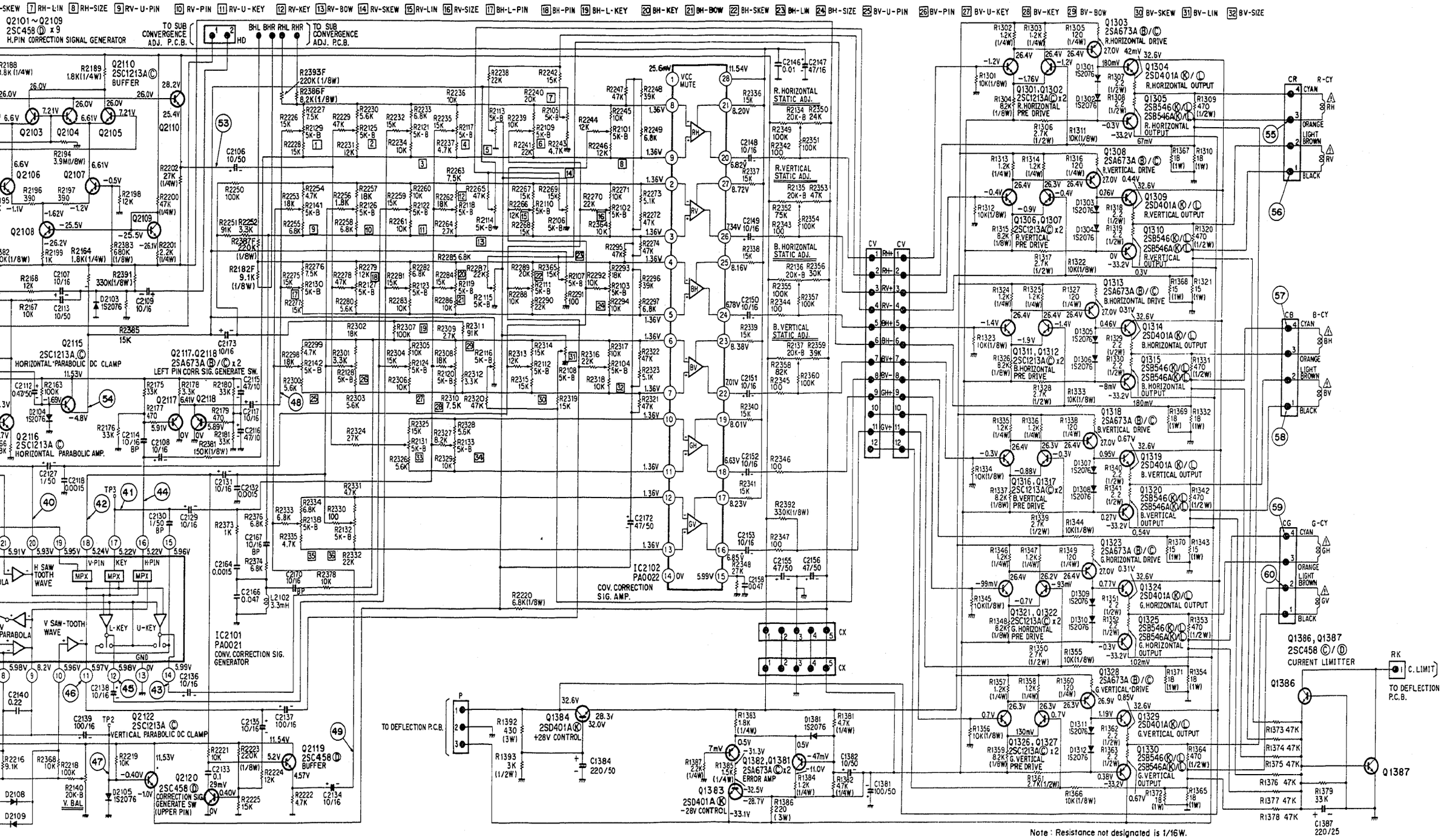
SUB CONVERGENCE ADJUSTMENT CIRCUIT DIAGRAM


HD
FROM CONVER ADJ P.C.B
RHL
R2393A 3.9M (1/8W)
R2393B 820K (1/8W)
R2393C 220K (1/8W)
R2393D 100K (1/8W)
BHL
R2387A 100K (1/8W)
R2387B 680K (1/8W)
RHR
R2386B 4.7K (1/8W)
R2386C 13K (1/8W)
R2386D 30K (1/8W)
R2386E 56K (1/8W)
BHR
R2182A 39K (1/8W)
R2182B 18K (1/8W)
R2182C 11K (1/8W)
R2182D 3.9K (1/8W)
FROM CONVER ADJ P.C.B

CONVERGENCE CORRECTION AND CONVERGENCE OUT CIRCUIT DIAGRAM

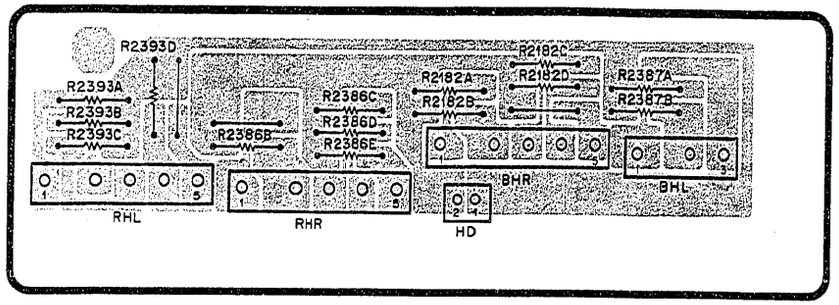

1 RH-L-PIN 2 RH-PIN 3 RH-L-KEY 4 RH-KEY 5 RH-BOW 6 RH-SKEW 7 RH-LIN 8 RH-SIZE 9 RV-U-PIN 10 RV-PIN 11 RV-U-KEY 12 RV-KEY 13 RV-BOW
33 GH-PIN 34 GH-KEY 35 GV-U-PIN 36 GV-PIN
Q2101 ~ Q2109
2SC458 Ⓓ x 9
H.PIN CORRECTION SIGNAL GENERATOR
TO SUB CONVERGENCE ADJ. P.C.B.
BHL BHR RHL RHR
TO SUB CONVERGENCE ADJ. P.C.B.
TO DEFLECTION P.C.B.
+12V
GND
H. PULSE
V BLK
DF
TEST SW
S2002
TEST SW
OFF
ON (PUSH)
TP1
Q2110
2SC1213A Ⓒ
BUFFER
Q2111
2SA673A Ⓑ/Ⓒ
HORIZONTAL PARABOLIC AMP.
Q2121
2SA673A Ⓑ/Ⓒ
BUFFER
Q2112
2SC1213A Ⓒ
DYNAMIC FOCUS SIGNAL AMP.
Q2113
2SC458 Ⓓ
HORIZONTAL SAW-TOOTH WAVE AMP
Q2114
2SA673A Ⓑ/Ⓒ
BUFFER
Q2115
2SC1213A Ⓒ
HORIZONTAL·PARABOLIC DC CLAMP
Q2116
2SC1213A Ⓒ
HORIZONTAL PARABOLIC AMP.
Q2117, Q2118
2SA673A Ⓑ/Ⓒ x 2
LEFT PIN CORR. SIG. GENERATE SW.
H. PULSE COMP
V. PULSE COMP
SAW TOOTH WAVE GENERATE CURRENT STABILIZER
REFERENCE POWER
VCC GND VR
H PARABOLA
H SAW TOOTH WAVE
V SAW TOOTH WAVE
V PARABOLA
V SAW-TOOTH WAVE
V-PIN KEY H-PIN
MPX MPX MPX
L-KEY U-KEY
GND
IC2101
PA0021
CONV. CORRECTION SIG. GENERATOR
R2372 5K-B V-PIN-PHASE
R2139 20K-B H. BAL
R2140 20K-B V. BAL
D2107 ~ D2110
1S2076 x4
TP2
TP3
Q2122
2SC1213A Ⓒ
VERTICAL PARABOLIC DC CLAMP
Q2120
2SC458 Ⓓ
CORRECTION SIG GENERATE SW (UPPER PIN)
Q2119
2SC458 Ⓓ
BUFFER

CUIT DIAGRAM

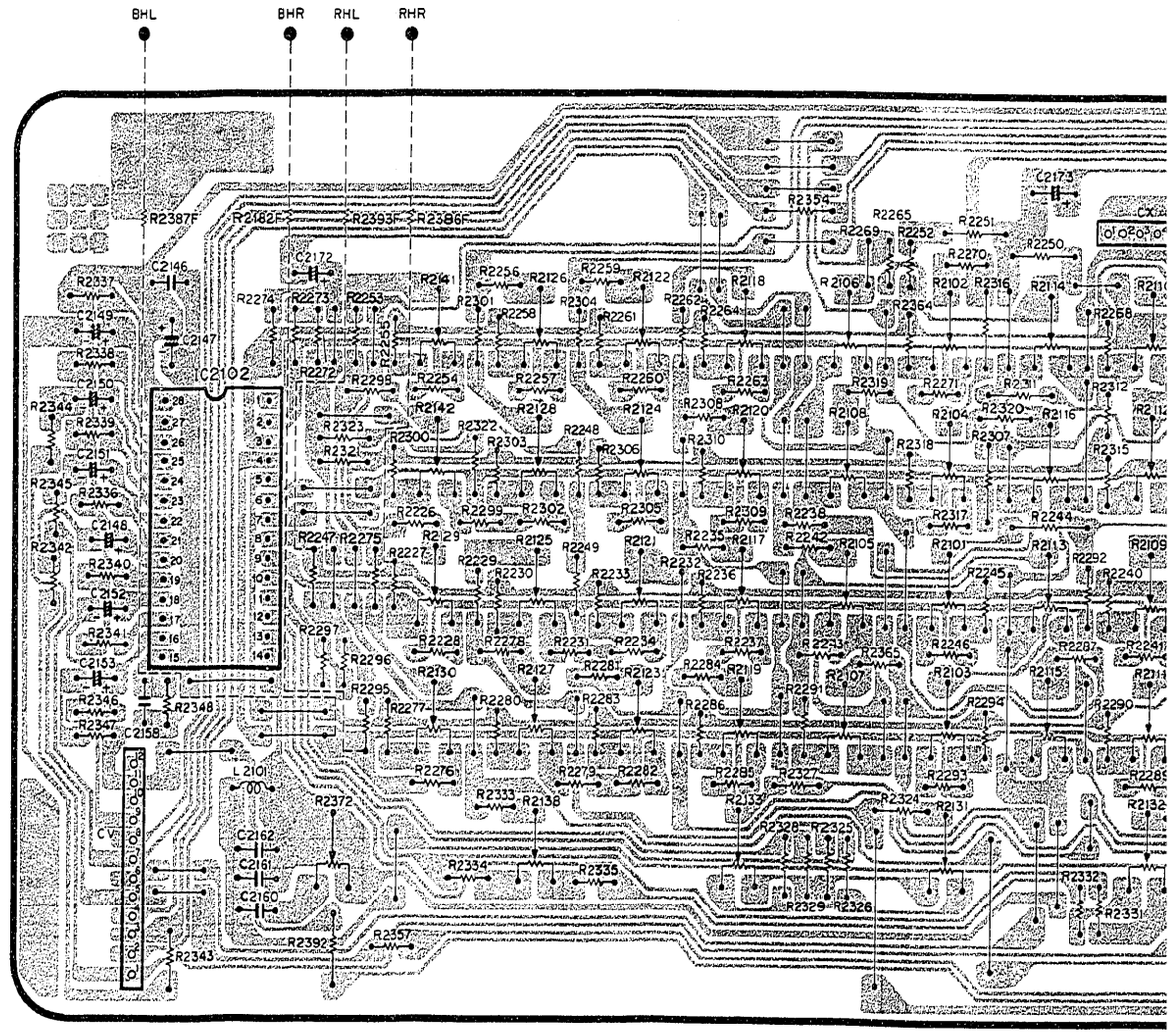


Note : Resistance not designated is 1/16W.

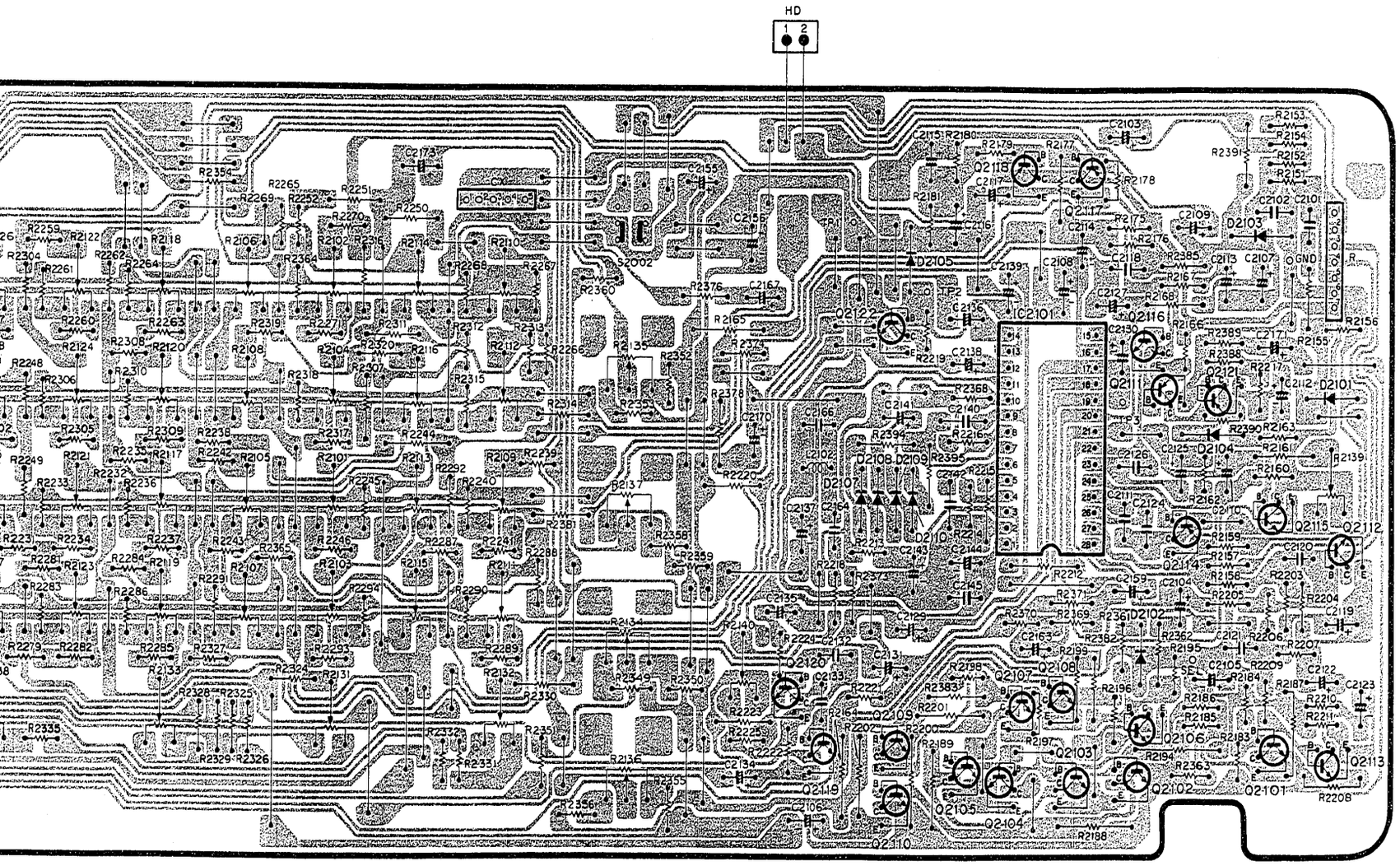
SUB CONVERGENCE ADJUSTMENT P. W. BOARD



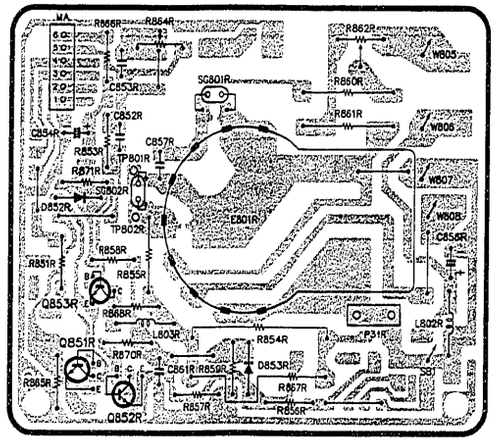
CONVERGENCE CORRECTION AND CONVERGENCE OUT P. W. BOARD



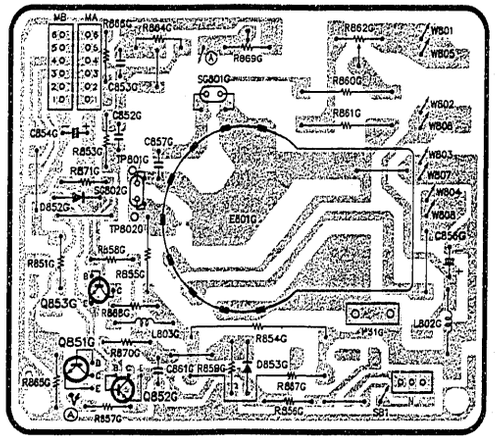
UT P. W. BOARD


HD
1
2
IC2101
SEL
GND
Q2101
Q2102
Q2103
Q2104
Q2105
Q2106
Q2107
Q2108
Q2109
Q2110
Q2111
Q2112
Q2113
Q2114
Q2115
Q2116
Q2117
Q2118
Q2119
Q2120
Q2121
Q2122
D2101
D2102
D2103
D2104
D2105
D2106
D2107
D2108
D2109
D2110
S2002

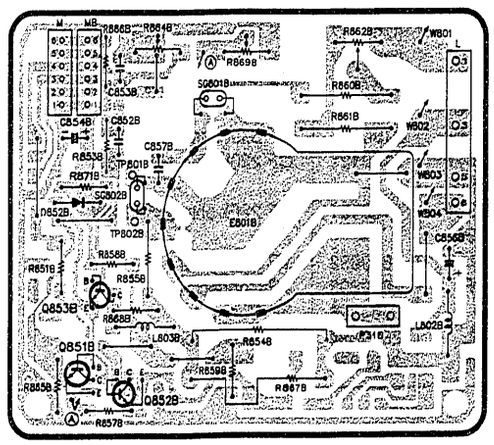
CPT(R) P. W. BOARD



CPT(G) P. W. BOARD



CPT(B) P. W. BOARD



PARTS LIST

COMPARISON TABLE

Circuit	Symbol No.	CT4520K, CT4521K, CT5522K, CT5080K		CT4580K, CT5081K, CT5582K	
		Parts No.	Description	Parts No.	Description
CRT	V1R	4049744	170WB22(R) Ass'y(HCPA)	4049741	170KB22(R) Ass'y(HCPA)
	V1G	4049745	170WB22(G) Ass'y(HCPA)	4049742	170KB22(G) Ass'y(HCPA)
	V1B	4049746	170WB22(B) Ass'y(HCPA)	4049743	170KB22(B) Ass'y(HCPA)
CPT P.W.B.	E801R E801G E801B	2953101	CPT Socket	2953341	CPT Socket
Sub Conver. Adj. P.W.B.	EBHL	2661752	3P Plug pin	–	–
	EBHR	2661754	5P Plug pin	–	–
	EHD	2663821	2P Plug pin	–	–
	ERHL	2661754	5P Plug pin	–	–
	ERHR	2661754	5P Plug pin	–	–
	R2182A	0100103	CF 39k ohm ±5% 1/8W	–	–
	R2182B	0100095	CF 18k ohm ±5% 1/8W	–	–
	R2182C	0100090	CF 11k ohm ±5% 1/8W	–	–
	R2182D	0100079	CF 3.9k ohm ±5% 1/8W	–	–
	R2386B	0100081	CF 4.7k ohm ±5% 1/8W	–	–
	R2386C	0100092	CF 13k ohm ±5% 1/8W	–	–
	R2386D	0100100	CF 30k ohm ±5% 1/8W	–	–
	R2386E	0100107	CF 56k ohm ±5% 1/8W	–	–
	R2387A	0100113	CF 100k ohm ±5% 1/8W	–	–
	R2387B	0100133	CF 680k ohm ±5% 1/8W	–	–
	R2393A	0179537	MF 3.9M ohm ±5% 1/8W	–	–
	R2393B	0179558	MF 820k ohm ±5% 1/8W	–	–
	R2393C	0100121	CF 220k ohm ±5% 1/8W	–	–
	R2393D	0100113	CF 100k ohm ±5% 1/8W	–	–
Conver. Adj. P.W.B.	A021	2863072	Conver. AL Sheet Ass'y	2863071	Conver. AL Sheet Ass'y
	C2160	0275012	PF 0.015μF/50 ±10%	0275011	PF 0.01μF/50 ±10%
	R2153	0700056	CF 15k ohm ±5% 1/16W	0700042	CF 1.2k ohm ±5% 1/16W
	R2182	–	–	0700061	CF 33k ohm ±5% 1/16W
	R2182F	0100088	CF 9.1k ohm ±5% 1/8W	–	–
	R2256	0700044	CF 1.8k ohm ±5% 1/16W	0700049	CF 4.7k ohm ±5% 1/16W
	R2291	0700027	CF 100 ohm ±5% 1/16W	0700049	CF 4.7k ohm ±5% 1/16W
	R2301	0700047	CF 3.3k ohm ±5% 1/16W	0700051	CF 5.6k ohm ±5% 1/16W
	R2330	0700027	CF 100 ohm ±5% 1/16W	0700042	CF 1.2k ohm ±5% 1/16W
	R2370	0187072	CF 2.0k ohm ±5% 1/16W	0700049	CF 4.7k ohm ±5% 1/16W
	R2386	–	–	0700058	CF 22k ohm ±5% 1/16W
	R2386F	0100087	CF 8.2k ohm ±5% 1/8W	–	–
	R2387F	0100121	CF 220k ohm ±5% 1/8W	–	–
	R2393	–	–	0700063	CF 47k ohm ±5% 1/16W
	R2393F	0100121	CF 220k ohm ±5% 1/8W	–	–
	R2396	–	–	0187106	CF 51k ohm ±5% 1/16W
	JBHL	2669892	1P Connector	–	–
	JBHR	2669893	1P Connector	–	–
	JHD	2664406	2P Connector	–	–
	JRHL	2669894	1P Connector	–	–
	JRHR	2669895	1P Connector	–	–

HITACHI

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HITACHI
SERVICE MANUAL

NTSC | VP7X2 Chassis

YK | No.0273E

CT5582K

R/C:CLU-490IR

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CAUTION: Before servicing this chassis, it is important that the service technician read the "Safety Precaution" and "Product Safety Notices" in this Service Manual.

SAFETY NOTICE
USE ISOLATION TRANSFORMER WHEN SERVICING

Components having special safety characteristics are identified by shading on schematics and by ⚠ on the parts list in this Service Data and its supplements and bulletings. Before servicing this chassis, it is important that the service technician read and follow the "Safety Precautions" and "Product Safety Notices" in this Service Manual.

* For continued x-radiation protection, replace picture tube with original type or Hitachi approved equivalent type.

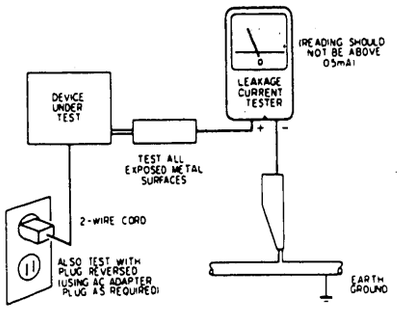
SPECIFICATIONS AND PARTS ARE SUBJECT TO CHANGE FOR IMPROVEMENT

PROJECTION COLOR TELEVISION

October 1988 YOKOHAMA WORKS

SAFETY PRECAUTIONS

1. **Before returning an instrument to the customer,** always make a safety check of the entire instrument, including, but not limited to the following items:
   a. Be sure that no built-in protective devices are defective and/or have been defeated during servicing. (1) Protective shields are provided on this chassis to protect both the technician and the customer. Correctly replace all missing protective shields, including any removed for servicing convenience. (2) When reinstalling the chassis and/or other assembly in the cabinet, be sure to put back in place all protective devices, including, but not limited to, nonmetallic control knobs, insulating fishpapers, adjustment and compartment covers/shields, and isolation resistor/capacitor networks. **Do not operate this instrument or permit it to be operated without all protective devices correctly installed and functioning. Servicers who defeat safety features or fail to perform safety checks may be liable for any resulting damage.**
   b. Be sure that there are no cabinet openings through which an adult or child might be able to insert their fingers and contact a hazardous voltage. Such openings include, but are not limited to, (1) spacing between the picture tube and the cabinet mask, (2) excessively wide cabinet ventilation slots, and (3) an improperly fitted and/or incorrectly secured cabinet back cover.
   c. **Antenna Cold Check** – With the instrument AC plug removed from any AC source, connect an electrical jumper across the two AC plug prongs. Place the instrument AC switch in the on position. Connect one lead of an ohmmeter to the AC plug prongs tied together and touch the other ohmmeter lead in turn to each tuner antenna input exposed terminal screw and, if applicable, to the coaxial connector. If the measured resistance is less than 1.0 megohm or greater than 5.2 megohm, an abnormality exists that must be corrected before the instrument is returned to the customer. Repeat this test with the instrument AC switch in the off position.
   d. **Leakage Current Hot Check** – With the instrument completely reassembled, plug the AC line cord directly into a 120V AC outlet. (Do not use an isolation transformer during this test.) Use a leakage current tester or a metering system that complies with American National Standards Institute (ANSI) C101.0 Leakage Current for Appliances and Underwriters Laboratories (UL) 1410, (50.7). With the instrument AC switch first in the on position and then in the off position, measure from a known earth ground (metal waterpipe, conduit, etc.) to all exposed metal parts of the instrument (antennas, handle bracket, metal cabinet, screwheads, metallic overlays, control shafts, etc.), especially any exposed metal parts that offer an electrical return path to the chassis. Any current measured must not exceed 0.5 milliamp. Reverse the instrument power cord plug in the outlet and repeat test.


DEVICE UNDER TEST
LEAKAGE CURRENT TESTER
(READING SHOULD NOT BE ABOVE 0.5mA)
TEST ALL EXPOSED METAL SURFACES
2-WIRE CORD
ALSO TEST WITH PLUG REVERSED (USING AC ADAPTER PLUG AS REQUIRED)
EARTH GROUND

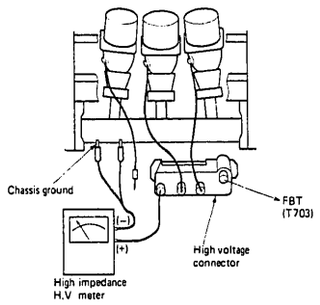
AC Leakage Test

ANY MEASUREMENTS NOT WITHIN THE LIMITS SPECIFIED HEREIN INDICATE A POTENTIAL SHOCK HAZARD THAT MUST BE ELIMINATED BEFORE RETURNING THE INSTRUMENT TO THE CUSTOMER OR BEFORE CONNECTING THE ANTENNA OR ACCESSORIES.

   e. **Hight Voltage** – This receiver is provided with a hold down circuit for clearly indicating that voltage has increased in excess of a predetermined value. Comply with all notes described in this Service Manual reagarding this hold down circuit when servicing, so that this hold down circuit may correctly be operated.

   f. **Serviceman warning** – With minimum Black Level and Picture, operating high voltage in this receiver is lower than 33.6 kV. In case any component having influenced on high voltage is replaced, confirm that high voltage with minimum Black Level and Picture is lower than 33.6 kV.
   To measure H.V. use a high impedance H,V. meter. Connect (–) to chassis earth and (+) to the CRT anode button. (See the following connection diagram).

Note: Turn power switch off without fail before the connection with Anode button is made.



   g. **X-radiation – TUBE:** The primary source of X radiation in this receiver is the picture tube. The tube utilized for the above mentioned function in this chissis is specially constructed to limit X radiation emissions.
   For continued X radiation protection, the replacement tube must be the same type as the original, HITACHI approved type.
   When troubleshooting and making test measurements in a receiver with a problem of excessive high voltage, avoid being unnecessarily close to the picture tube and the high voltage component.
   Do not operate the chassis longer than is necessary to locate the cause of excessive vpltage.

2. Read and comply with all caution and safety-related notes on or inside the receiver cabinet, on the receiver chassis, or on the picture tube.

3. **Design Alteration Warning** – Do not alter or add to the mechanical or electrical design of this TV receiver. Design alterations and additions, including, but not limited to, circuit modifications and the addition of items such as auxiliary audio and/or video output connections, might alter the safety characteristics of this receiver and create a hazard to the user. Any design alterations or additions may void the manufacturer's warranty and may make you, the servicer responsible for personal injury or property damage resulting therefrom.

4. **Picture Tube Implosion Protection Warning** – The picture tube in this receiver employs integral implosion protection. For continued implosion protection, replace the picture tube only with one of the same type number. Do not remove, install, or otherwise handle the picture tube in any manner without first putting on shatterproof goggles equipped with side shields. People not so equipped must be kept safely away while picture tubes are handled. Keep the picture tube away from your body. Do not handle the picture tube by its neck.

5. **Hot Chassis Warning – a.** Some TV receiver chassis are electrically connected directly to one conductor of the AC power cord and may be safely serviced without an isolation transformer only if the AC power plug is inserted so that the chassis is connected to the ground side of the AC power source. To confirm that the AC power plug is inserted correctly, with an AC voltmeter measure between the chassis and a known earth ground. If a voltage reading in excess of 1.0V is obtained, remove and reinsert the AC power plug in the opposite polarity and again measure the voltage potential between the chassis and a known earth ground. **b.** Some TV receiver chassis normally have 85V AC (RMS) between chassis and earth ground regardless of the AC plug polarity. These chassis can be safely serviced only with an isolation transformer inserted in the power line between the receiver and the AC power source, for both personnel and test equipment protection. **c.** Some TV receiver chassis have a secondary ground system in addition to the main chassis ground. This secondary ground system is not isolated from the AC power line. The two ground systems are electrically separated by insulating material that must not be defeated or altered.

6. Observe original lead dress. Take extra care to assure correct lead dress in the following areas: a. near sharp edges, b. near thermally hot parts – be sure that leads and components do not touch thermally hot parts, c. the AC supply, d. high voltage, and e. antenna wiring. Always inspect in all areas for pinched, out-of-plate, or frayed wiring. Do not change spacing between components, and between components and the printed-circuit board. Check AC power cord for damage.

7. Components, parts, and/or wiring that appear to have overheated or are otherwise damaged should be replaced with components, parts, or wiring that meet original specifications. Additionally, determine the cause of overheating and/or damage and, if necessary, take corrective action to remove any potential safety hazard.

8. **PRODUCT SAFETY NOTICE** – Many TV electrical and mechanical parts have special safety-related characteristics some of which are often not evident from visual inspection, nor can the protection they give necessarily be obtained by replacing them with components rated for higher voltage, wattage, etc. Parts that have special safety characteristics are identified Hitachi service data by shading on schematics and by a (⚠) in the parts list. Use of a substitute replacement that does not have the same safety characteristics as the recommended replacement part in Hitachi service data parts list might create shock, fire, and/or other hazards. Product Safety is under review. continuously and new instructions are issued whenever appropriate. For the latest information, always consult the appropriate current Hitachi service literature. A subscription to, or additional copies of Service literature may be obtained at a normal charge from Hitachi.

SERVICING PRECAUTIONS

CAUTION: Before servicing instruments covered by this service data and its supplements and addendums, read and follow the SAFETY PROECAUTIONS on page 2 of this publication. NOTE: If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions on page 2 of this publication, always follow the safety precautions. Remember: Safety First.

General Servicing Precautions

1. Always unplug the instrument AC power cord from the AC power source before:
   a. Removing or reinstalling any component, circuit board, module, or any other instrument assembly.
   b. Disconnecting or reconnecting any instrument electrical plug or other electrical connection.
   c. Connecting a test substitute in parallel with an electrolytic capacitor in the instrument.
      Caution: A wrong part substitution or incorrect polarity installation of electrolytic capacitors may result in an explosion hazard.
   d. Discharging the picture tube anode.
2. Test high voltage only by measuring it with an appropriate high voltage meter or other voltage measuring device (DVM, FETVOM, etc.) equipped with a suitable high voltage probe. Do not test high voltage by "drawing an arc".
   The H.V. Distribution Box has an internal 400MΩ resistor (bleeder resistor) connected from the high voltage to ground. After power is removed from the instrument the high voltage will discharge through the high voltage bleeder resistor. If the tubes have high voltage after power is removed then the bleeder resistor is defective or the bleeder ground is disconnected.
3. Discharge the picture tubes anode at any of the R, G or B outputs on the High Voltage distribution box only by (a) first connecting one end of an insulated clip lead to the degaussing or kine aquadag grounding system shield at the point where the picture tube socket ground lead is connected, and then (b) touch the other end of the insulated clip lead to the picture tube high voltage distribution box R, G or B output, using an insulating handle to avoid personal contact with high voltage.
4. Do not spray chemical on or near this instrument or any of its assemblies.
5. Unless specified otherwise in this service data, clean electrical contacts by applying the following mixture to the contacts with a pipe cleaner, cotton-tipped stick or comparable nonabrasive applicator: 10% (by volume) Acetone and 90% (by volume) isopropyl alcohol (90% – 99% strength).
   Caution: This is a flammable mixture.
   Unless specified otherwise in this service data, lubrication of contacts is not required.
6. Do not defeat any plug/socket B+ voltage interclocks with which instruments covered by this service data might be equipped.
7. Do not apply AC power to this instrument and/or any of its electrical assemblies unless all solid-state device heat sinks are correctly installed.
8. Always connect the test instrument ground lead to the appropriate instrument chassis ground before connecting the test instrument positive lead. Always remove the test instrument ground lead last.
9. Use with this instrument only the test fixtures specified in this service data.
   CAUTION: Do not connect the test fixture ground strap to any heatsink in this instrument.

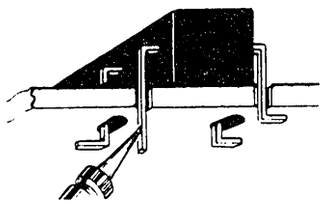
Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static type solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material.)
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
   CAUTION: Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device.)

General Soldering Guidelines

1. Use a grounded-tip, low-wattage soldering iron and appropriate tip size and shape that will maintain tip temperature within the range 500°F to 600°F.
2. Use an appropriate gauge of resin-core solder composed of 60 parts tin/40 parts lead.
3. Keep the soldering iron tip clean and well tinned.
4. Thoroughly clean the surfaces to be soldered. Use a small wire-bristle (0.5 inch, or 1.25 cm) brush with a metal handle. Do not use freon-propelled spray-on cleaners.
5. Use the following unsoldering technique.
   a. Allow the soldering iron tip to reach normal temperature (500°F to 600°F).
   b. Heat the component lead until the solder melts.
   c. Quickly draw away the melted solder with an anti-static, suction-type solder removal device or with solder braid.
      CAUTION: Work quickly to avoid overheating the circuit board printed foil.
6. Use the following soldering technique:
   a. Allow the soldering iron tip to reach normal temperature (500°F to 600°F).
   b. First, hold the soldering iron tip and solder strand against the component lead until the solder melts.
   c. Quickly move the soldering iron tip to the junction of the component lead and the printed circuit foil, and hold it there only until the solder flows onto and around both the component lead and the foil.
      CAUTION: Work quickly to avoid overheating the circuit board printed foil or components.
   d. Closely inspect the solder area and remove any excess or splashed solder with a small wire-bristle brush.



Use Soldering Iron To Pry Leads

IC Removal/Replacement

Some Hitachi unitized chassis circuit boards have slotted holes (oblong) through which the IC leads are inserted and then bent flat against the circuit foil. When holes are the slotted type, the following technique should be used to remove and replace the IC. When working with boards using the familiar round hole, use the standard technique as outlined in paragraphs 5 and 6 above.

Removal

1. Desolder and straighten each IC lead in one operation by gently prying up on the lead with the soldering iron tip as the solder melts.
2. Draw away the melted solder with an anti-static suction-type solder removal device (or with solder braid) before removing the IC.

Replacement

1. Carefully insert the replacement IC in the circuit board.
2. Carefully bend each IC lead against the circuit foil pad and solder it.
3. Clean the soldered areas with a small wire-bristle brush. (It is not necessary to reapply acrylic coating to the areas.)

"Small-Signal" Discrete Transistor Removal/Replacement

1. Remove the defective transistor by clipping its leads as close as possible to the component body.
2. Bend into a "U" shape the end of each of three leads remaining on the circuit board.
3. Bend into a "U" shape the replacement transistor leads.
4. Connect the replacement transistor leads to the corresponding leads extending from the circuit board and crimp the "U" with long nose pliers to insure metal to metal contact, then solder each connection.

Power Output Transistor Devices Removal/Replacement

1. Heat and remove all solder from around the transistor leads.
2. Remove the heatsink mounting screw (if so equipped).
3. Carefully remove the transistor from the circuit board.
4. Insert new transistor in circuit board.
5. Solder each transistor lead, and clip off excess lead.
6. Replace heatsink.

Diode Removal/Replacement

1. Remove defective diode by clipping its leads as close as possible to diode body.
2. Bend the two remaining leads perpendicularly to the circuit board.
3. Observing diode polarity, wrap each lead out of the new diode around the corresponding lead on the circuit board.
4. Securely crimp each connection and solder it.
5. Inspect (on the circuit board copper side) the solder joints of the two "original" leads. If they are not shiny, reheat them and, if necessary, apply additional solder.

Fuse and Conventional Resistor Removal/Replacement

1. Clip each fuse or resistor lead at top of circuit board hollow stake.
2. Securely crimp leads of replacement component around stake 1/8 inch from top.
3. Solder the connections.

   CAUTION: Maintain original spacing between the replaced component and adjacent components and the circuit board, to prevent excessive component temperatures.

Circuit Board Foil Repair

Excessive heat applied to the copper foil of any printed circuit board will weaken the adhesive that bonds the foil to the circuit board, causing the foil to separate from, or "lift-off", the board. The following guidelines and procedures should be followed whenever this condition is encountered.

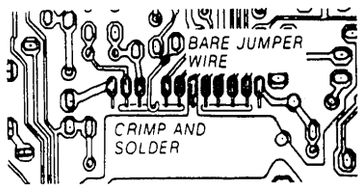
In Critical Copper Pattern Areas

High component/copper pattern density and/or special voltage/current characteristics make the spacing and integrity of copper pattern in some circuit board areas more critical than in others. The circuit foil in these areas is designated as Critical Copper Pattern and is identified and illustrated in this service data in the section titled Safety Related Copper Pattern (see table of contents for page number). Because Critical Copper Pattern requires special soldering techniques to ensure the maintenance of reliability and safety standards, contact your Hitachi personnel.

At IC Connections

To repair defective copper pattern at IC connections, use the following procedure to install a jumper wire on the copper pattern side of the circuit board. (Use this technique only on IC connections.)

1. Carefully remove the damaged copper pattern with a sharp knife. (Remove only as much copper as absolutely necessary.)
2. Carefully scratch away the solder resist and acrylic coating (if used) from the end of the remaining copper pattern.

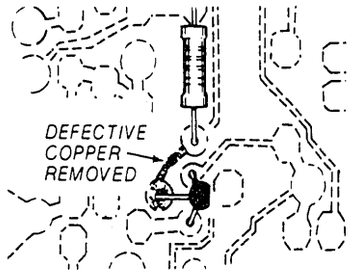


Install Jumper Wire and Solder

3. Bend a small "U" in one end of a small-gauge jumper wire and carefully crimp it around the IC pin. Solder the IC connection.
4. Route the jumper wire along the path of the cut-away copper pattern and let it overlap the previously scraped end of the good copper pattern. Solder the overlapped area, and clip off any excess jumper wire.

At Other Connections

Use the following technique to repair defective copper pattern at connections other than IC Pins. This technique involves the installation of a jumper wire on the component side of the circuit board.



Insulated Jumper Wire

1. Remove the defective copper pattern with a sharp knife. Remove at least 1/4 inch of copper, to ensure that a hazardous condition will not exist if the jumper wire opens.
2. Trace along the copper pattern from both sides of the pattern break and locate the nearest component that is directly connected to the affected copper pattern.
3. Connect insulated 20-gauge jumper wire from the lead of the nearest component on one side of the pattern break to the lead of the nearest component on the other side. Carefully crimp and solder the connections.

   CAUTION: Be sure the insulated jumper wire is dressed so that it does not touch components or sharp edges.

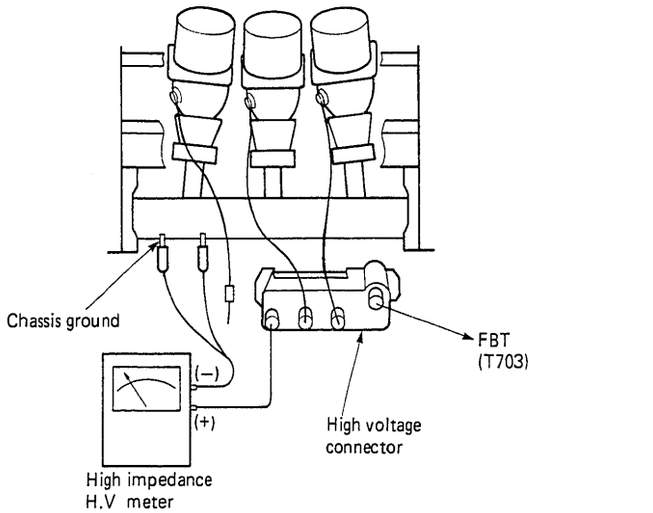
Frequency Synthesis (FS) Tuning Systems

1. Always unplug the instrument AC power cord before disconnecting or reconnecting FS tuning system cables and before removing or reinserting FS tuning system modules.
2. The FS tuner must never be disconnected from the FS tuning control module while power is applied to the instrument.
3. When troubleshooting intermittent problems that might be caused by defective cable connection(s) to the FS tuning system, remove the instrument AC power as soon as the defective connector is found and finish confirming the bad connection with a continuity test. This procedure will reduce the probability of electrical overstress of the FS system semi-conductor components.

TECHNICAL CAUTIONS

High voltage limiter circuit operation check

1. Connect the high voltage voltmeter between the high voltage connector and chassis ground as shown Fig. 00.
2. Set the AC input voltage to 120 V.
3. Set picture and black level control fully to + side (max.) of the on-screen indication.
4. Connect the jig as shown in Fig. 1 (A) to deflection P.C.B.
5. Turn the 50 kΩ-B VR of the jig fully clockwise viewed from the knob side.
6. Turn on the set.
7. Gradually turn the 50 kΩ-B VR of the jig counter-clockwise and check that the picture disappears when the high voltage is less than 36.1 kV.
8. Turn off the set immediately after checking that the picture disappears.
9. Remove the jig and voltmeter.



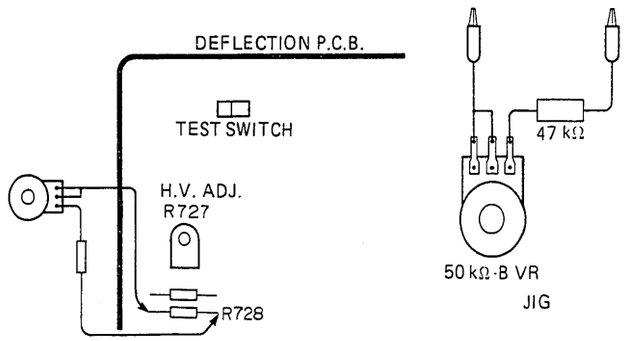


Fig. 1 (A)

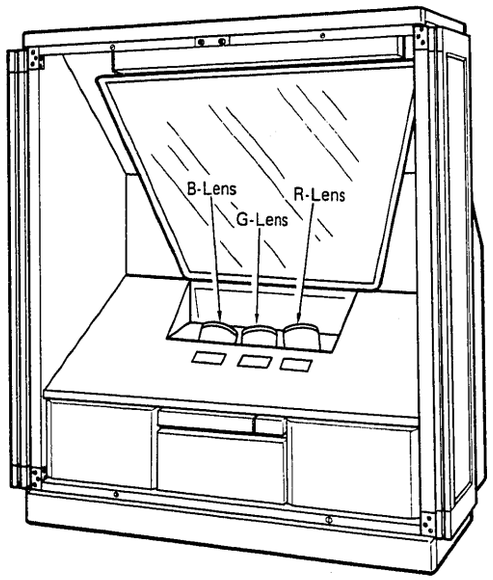


Fig. 1 (B)

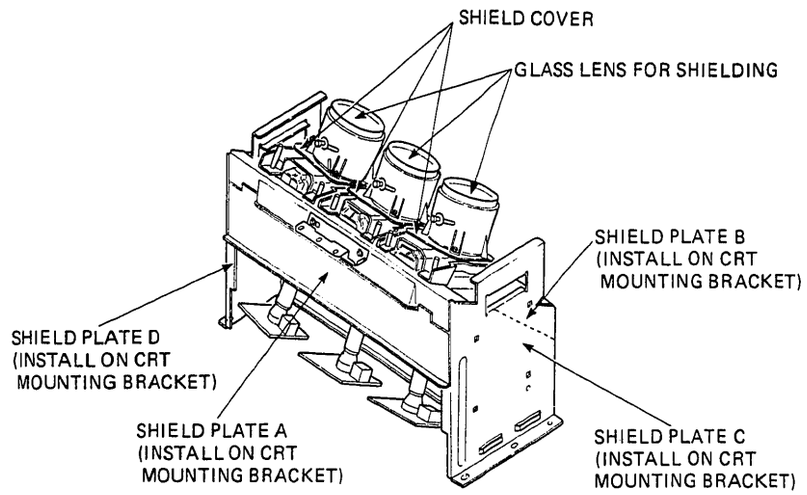


Fig. 1 (C)

SPECIFICATIONS

Model:	CT5582K
Cathode-Ray tube:	3 Liquid coolant type tubes (Red, Green, Blue), 90° defrection 6 inch.
Power Input:	120 volts AC, 60 Hz
Power Consumption:	269 watts – Maximum 180 watts – Operating
Antenna Impedance:	75 ohm Unbalanced VHF/UHF/CATV
Receiving Channel:	CH VHF 2-13 UHF 14-69 EXT. Mid (A-5)-(A-1), 4+ CATV Mid A-I CATV Super J-W CATV Hyper (W+1)-(W+28) CATV Ultra (W+29)-(W+84)
Intermediate Frequency:	Picture I-F Carrier 45.75 MHz Sound I-F Carrier 41.25 MHz Color Sub Carrier 42.17 MHz
Video Input:	1 Voltp-p 75 ohm
Video Output:	1 Voltp-p 75 ohm
Audio Input:	0.4 Volt rpm, 40 k ohm
Stereo Audio Output:	0.4 Volt rpm, 1 k ohm
Audio Output Power:	10 watts rms per channel, 8 ohm impedance.
Anode Voltage:	30.0 kV (Zero Beam Current)
Brightness:	240 ft.-L Nominal (Peak White)
Speakers:	2 Woofers – 6 inch (16 cm) Round 2 Tweeters – 2 inch (5 cm) Round
Dimension:	Width . . . . . 126.2 cm Height . . . . . 133.0 cm Depth . . . . . 71.7 cm
Circuit Board Assemblies:	CPT (B) P.C.B. CPT (G) P.C.B. CPT (R) P.C.B. Tuner Selector P.C.B. Convergence Out P.C.B. Convergence Correction P.C.B. Audio Output P.C.B. Signal P.C.B. Deflection P.C.B. Power Supply Sub P.C.B. Control (A) P.C.B. Control (B) P.C.B.

CIRCUIT PROTECTION

Fuse (or Device)	Circuit Protected	Physical Location
F401 3.15A-125V (AC)	Audio Output Circuit	Audio Output Circuit Board
F402 2.0A-125V (AC)	Audio Output Power Trans.	Signal circuit Board.
F903 1.5A-125V (DC)	Deflection Circuit	Power Supply Sub Circuit Board
F904 1.5A-125V (DC)	High Voltage Circuit	Power Supply Sub Circuit Board
F991 5.0A-125V (AC)	Main Fuse	Signal Circuit Board

GENERAL INFORMATION

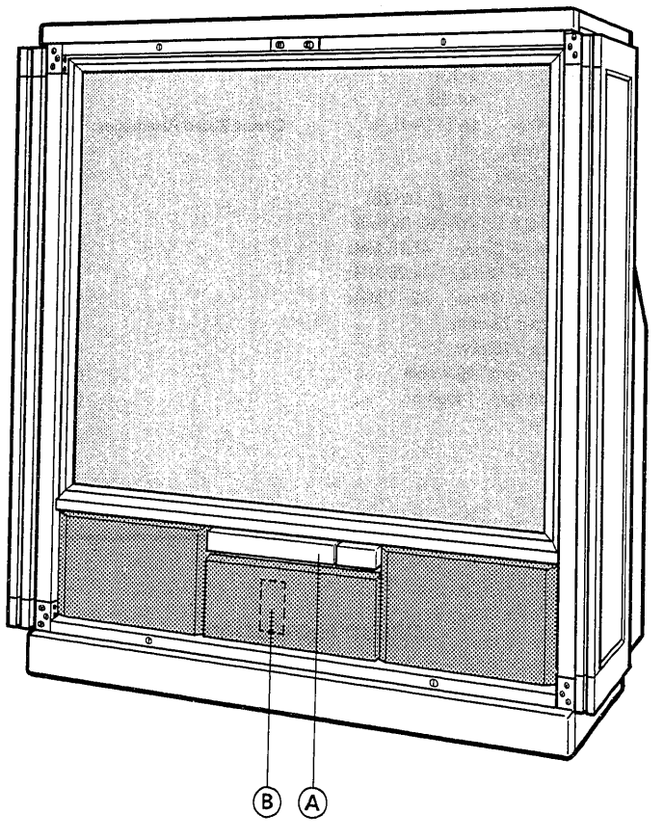


Fig. 2

Ⓐ

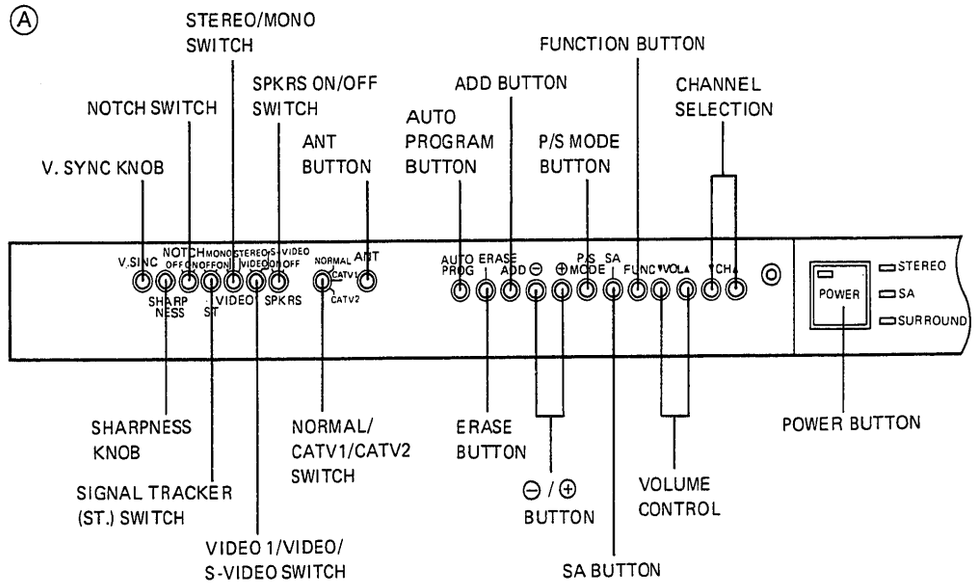


Fig. 3 Control Panel

Ⓑ

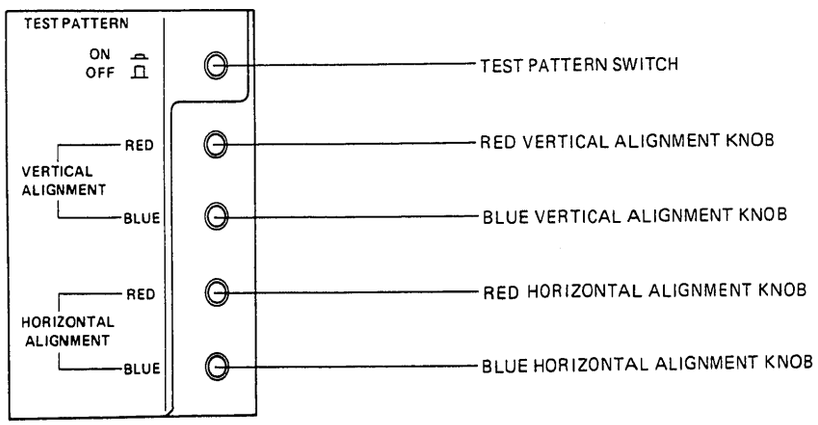


Fig. 4 Center Convergence

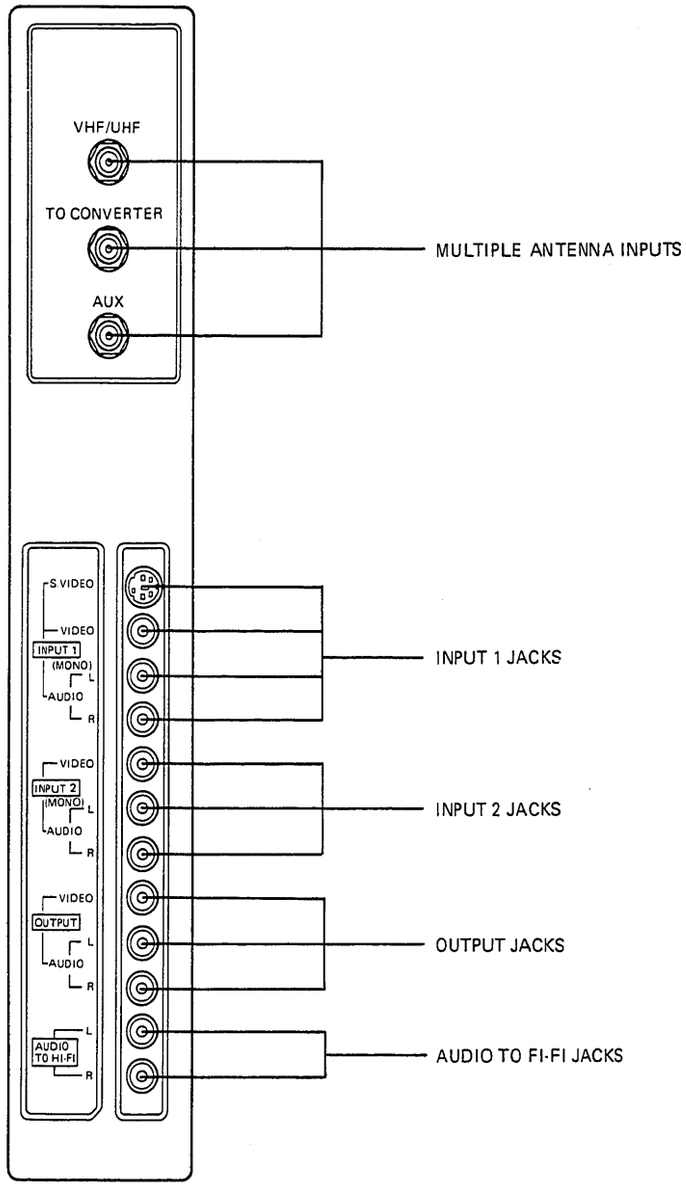


Fig. 5 Monitor Connection Panel

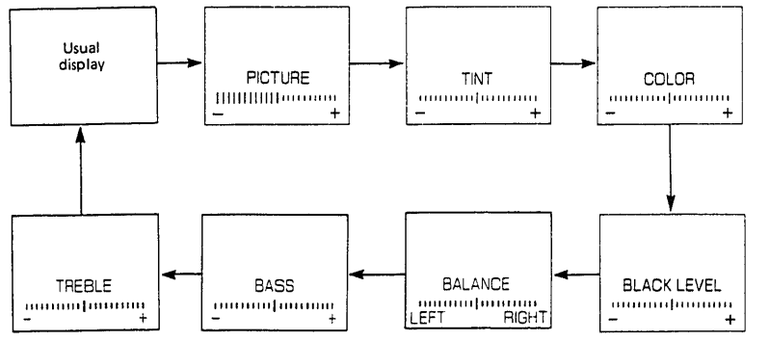
ADJUSTING FOR BEST PICTURE AND SOUND

Adjusting Color and Audio Controls

To control the P. MODE (PICTURE, TINT, COLOR, BLACK LEVEL) and S. MODE (BALANCE, BASS, TREBLE), follow the instruction below. The controls are set to the normal position when shipped from the factory.

P/S MODE BUTTON
Choose the required control, as seven kinds of control will be shown in the following order every time you press the P/S MODE BUTTON.

On-screen Display Order of P/S MODE



+BUTTON / –BUTTON
Use the + and –BUTTONS for control.
When you press the + BUTTON, the cursor moves to the right, and when you press the – BUTTON, the cursor moves to the left, as the state of control is changed (as for PICTURE, the number of color bars is increased or decreased.)
For best results, refer to the following OPERATION.

Adjusting for picture

1. PICTURE
The PICTURE control is used to adjust contrast, the black level and color simultaneously.
When the +button is pressed (the cursor moves to the right), the black level is increased, contrast becomes greater and the color becomes denser.

2. TINT
When the –button is pressed (the cursor moves to the left), flesh tone will be tinted purple, and when the +button is pressed (the cursor moves to the right), it will be tinted green.

3. COLOR
The COLOR control sets the intensity of colors. Set this control to the position where the colors appear with normal intensity and brilliance.

4. BLACK LEVEL
Set the controls until portions of the picture you know to be black appear black.

5. SHARPNESS
Adjust the SHARPNESS knob for a pleasing level of picture sharpness.
- For normal viewing, turn the knob to mid-range.
- For sharper picture, turn the knob to the right.
- For weak signals, the picture may be more pleasing with the knob turned to the left.

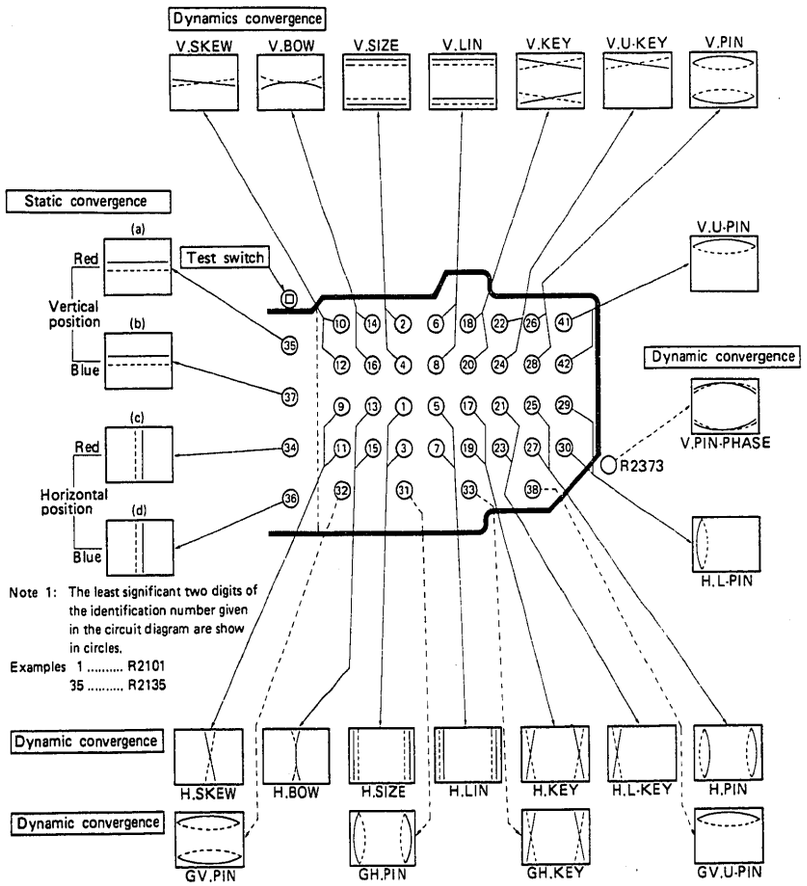
Adjusting the sound

1. BALANCE
Permits adjustment of the balance of the sound from the left and right speakers.

2. BASS
Press the +button (the cursor moves to the right) to increase low frequency sound, and press the −button to cut low frequency sound.

3. TREBLE
Press the +button (the cursor move to the right) to increase high frequency sound, and press the −button to cut high frequency sound.

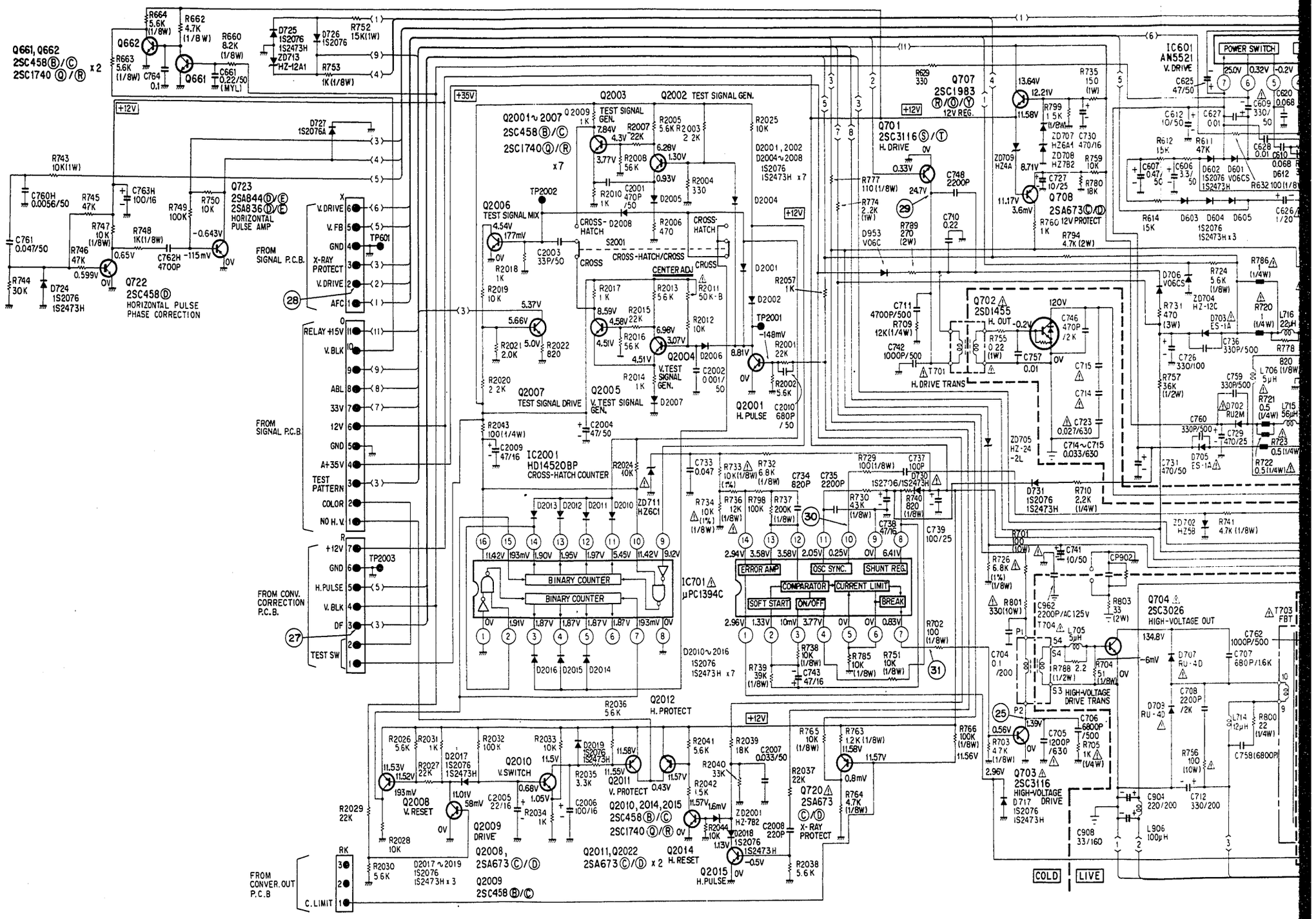
CONVERGENCE ADJUSTMENT

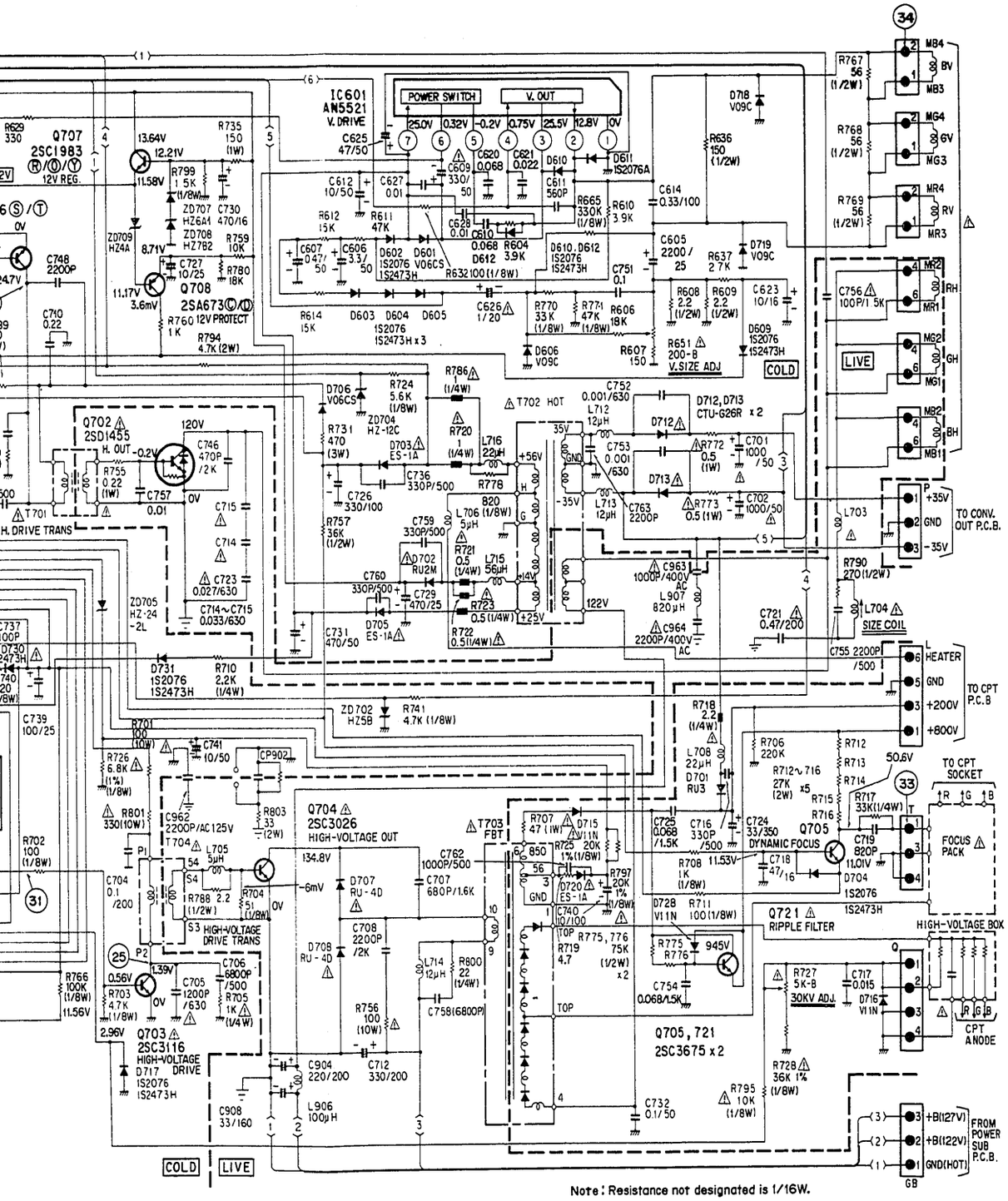


Note 1: The least significant two digits of the identification number given in the circuit diagram are show in circles.
Examples 1 ..... R2101
35 ..... R2135

DEFLECTION CIRCUIT DIAGRAM

CIRCUIT DIAGRAM

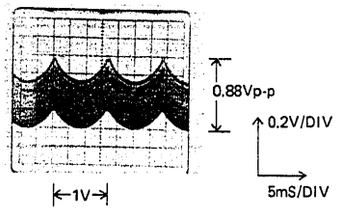




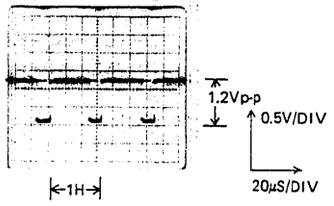
• WAVEFORMS

DEFLECTION P.C. Board

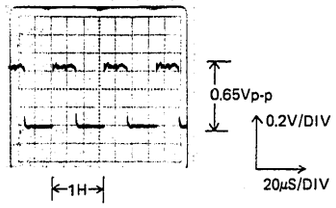
(27) R CONNECTOR (3) PIN



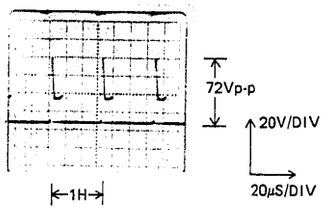
(31) IC701 (7) PIN



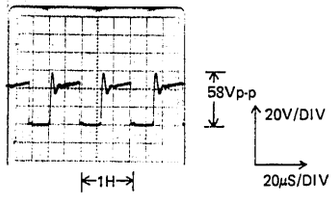
(28) X CONNECTOR (2) PIN



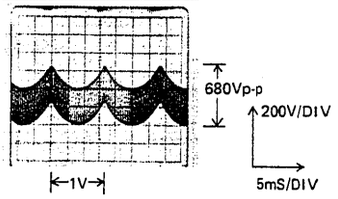
(32) Q703 COLLECTOR



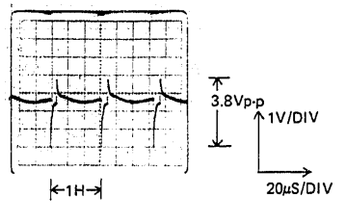
(29) Q701 COLLECTOR



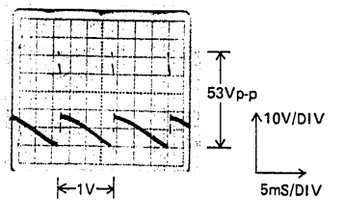
(33) T CONNECTOR (1) PIN



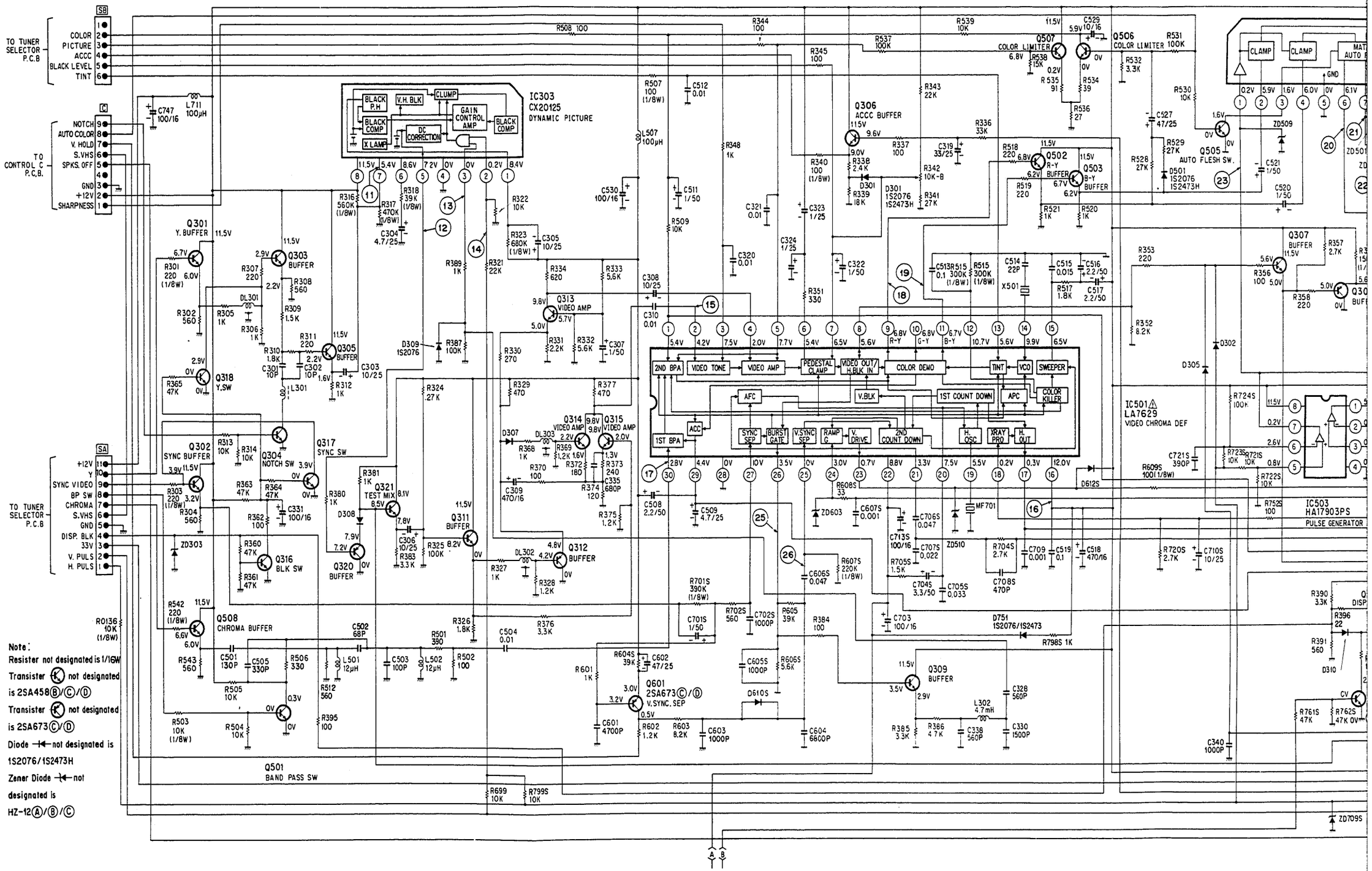
(30) IC701 (10) PIN

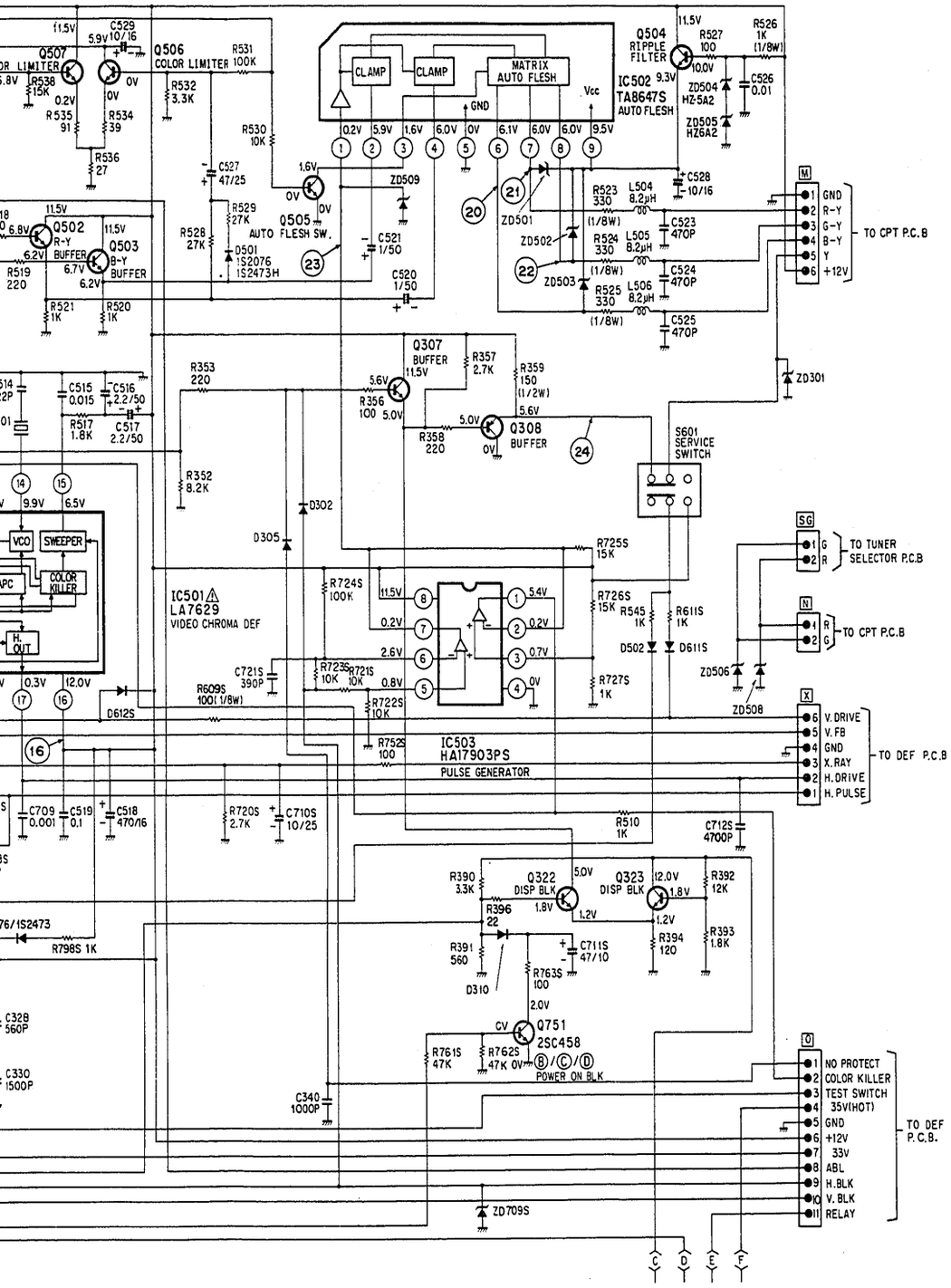


(34) MR4 (1) (RDY(V))



SIGNAL CIRCUIT DIAGRAM (1/2)

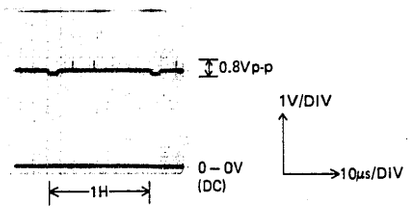




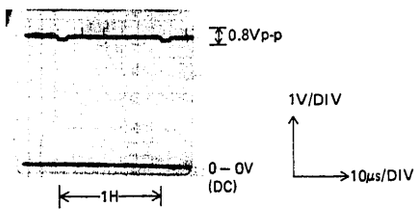
• WAVEFORMS

SIGNAL P.C. Board 1/2

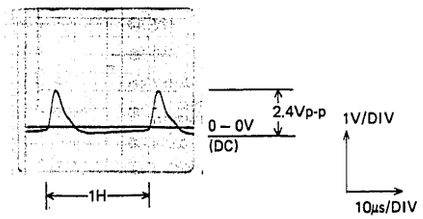
⑪ IC303 ⑦ PIN



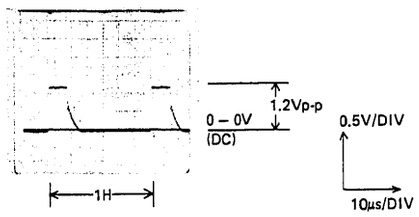
⑫ IC303 ⑤ PIN



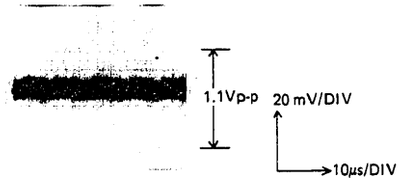
⑬ IC303 ③ PIN



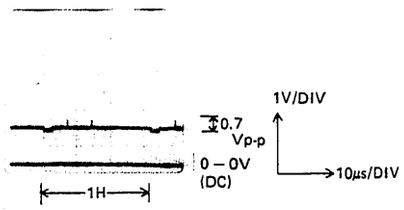
⑭ IC303 ⑭ PIN



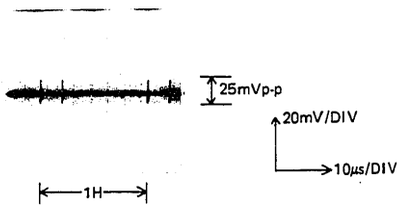
⑮ IC501 ② PIN



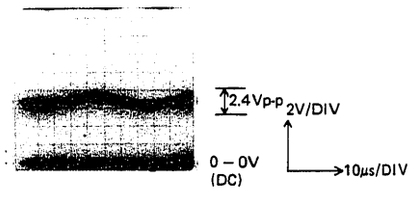
⑯ IC501 ⑯ PIN



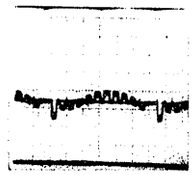
⑰ IC501 ㉚ PIN



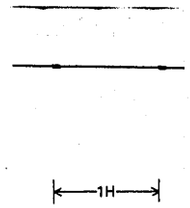
⑱ IC501 ⑨ PIN



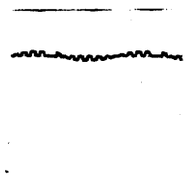
⑲ IC501 ⑪ PIN



⑳ IC502 ⑥ PIN

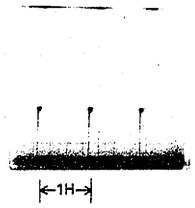


㉑ IC502 ⑦ PIN

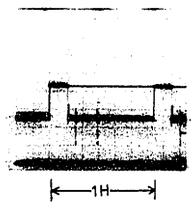


㉒ IC502 ⑧ PIN

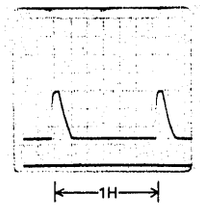
㉓ IC502 ① PIN



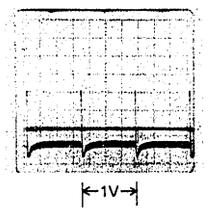
㉔ Q308 EMITTER



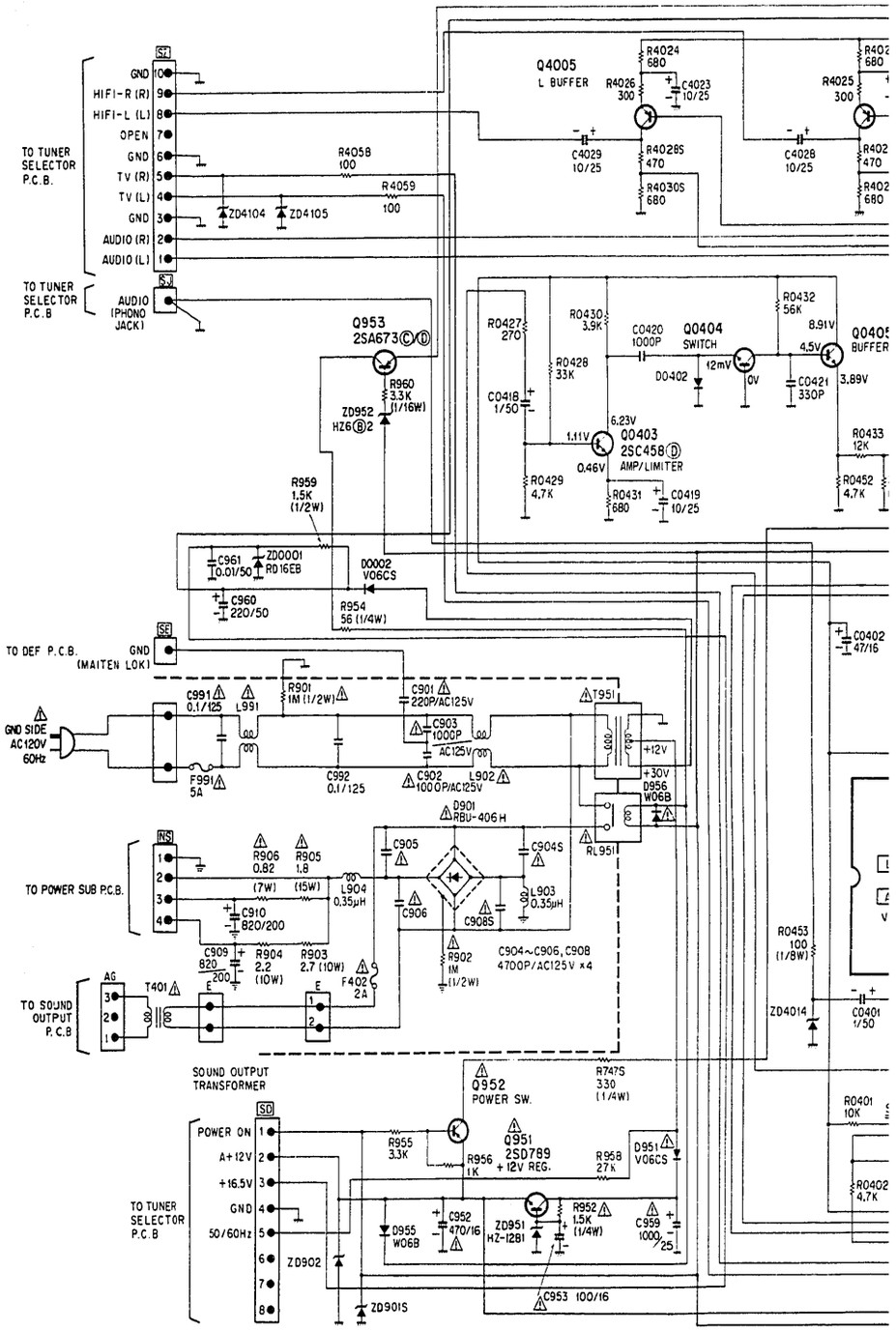
㉕ IC501 ㉖ PIN

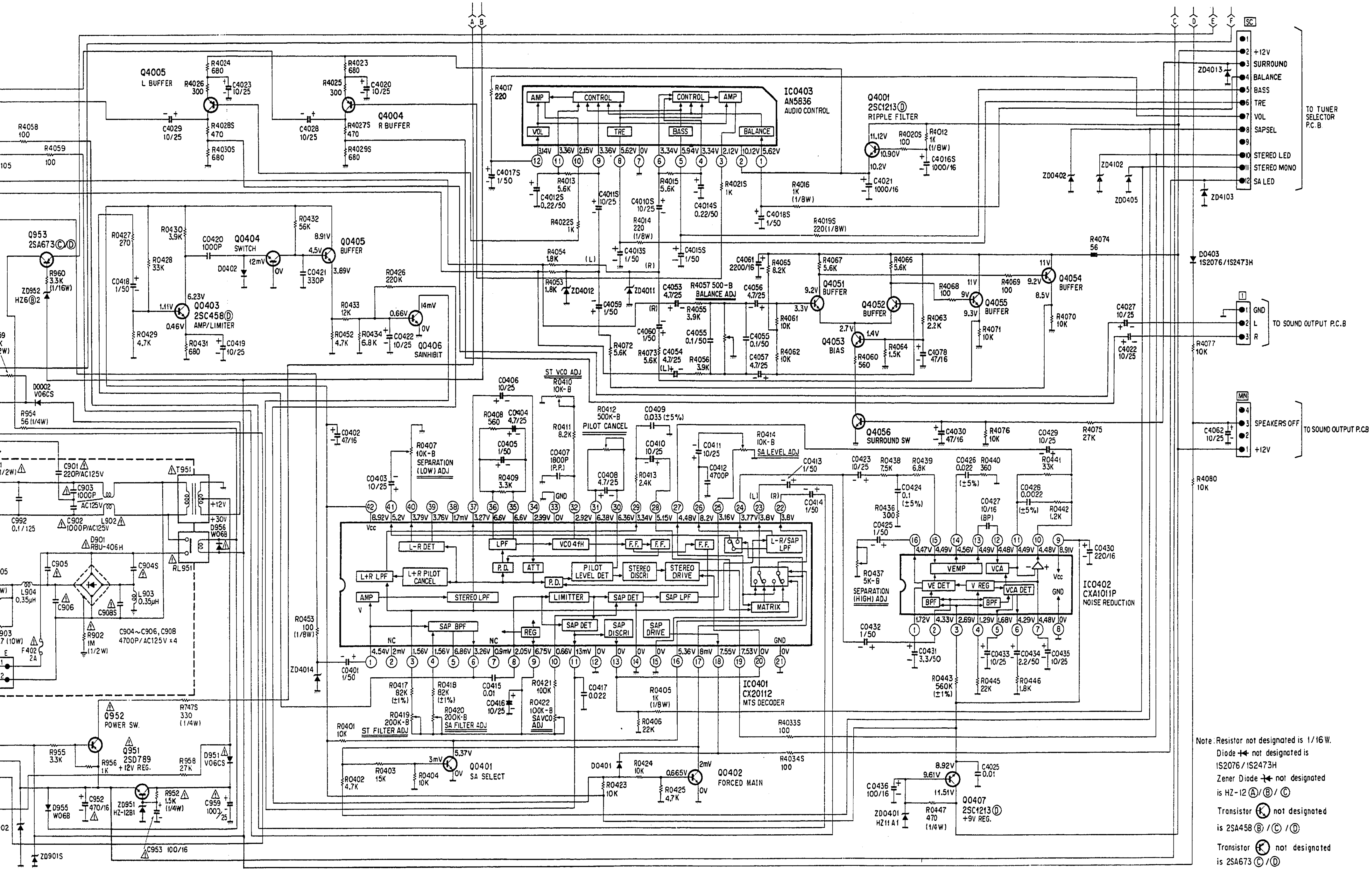


㉖ IC501 ㉕ PIN



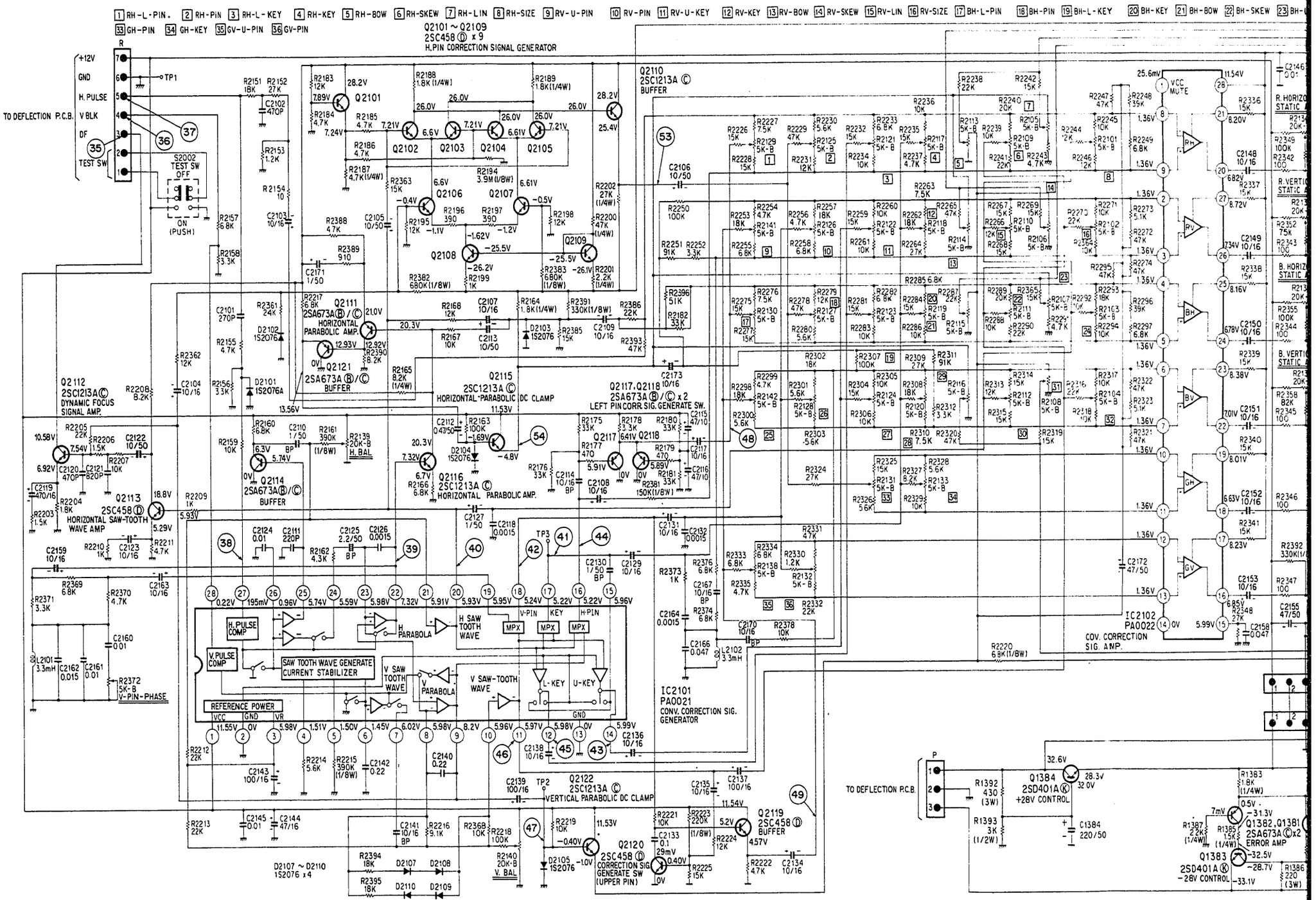
SIGNAL CIRCUIT DIAGRAM (2/2)

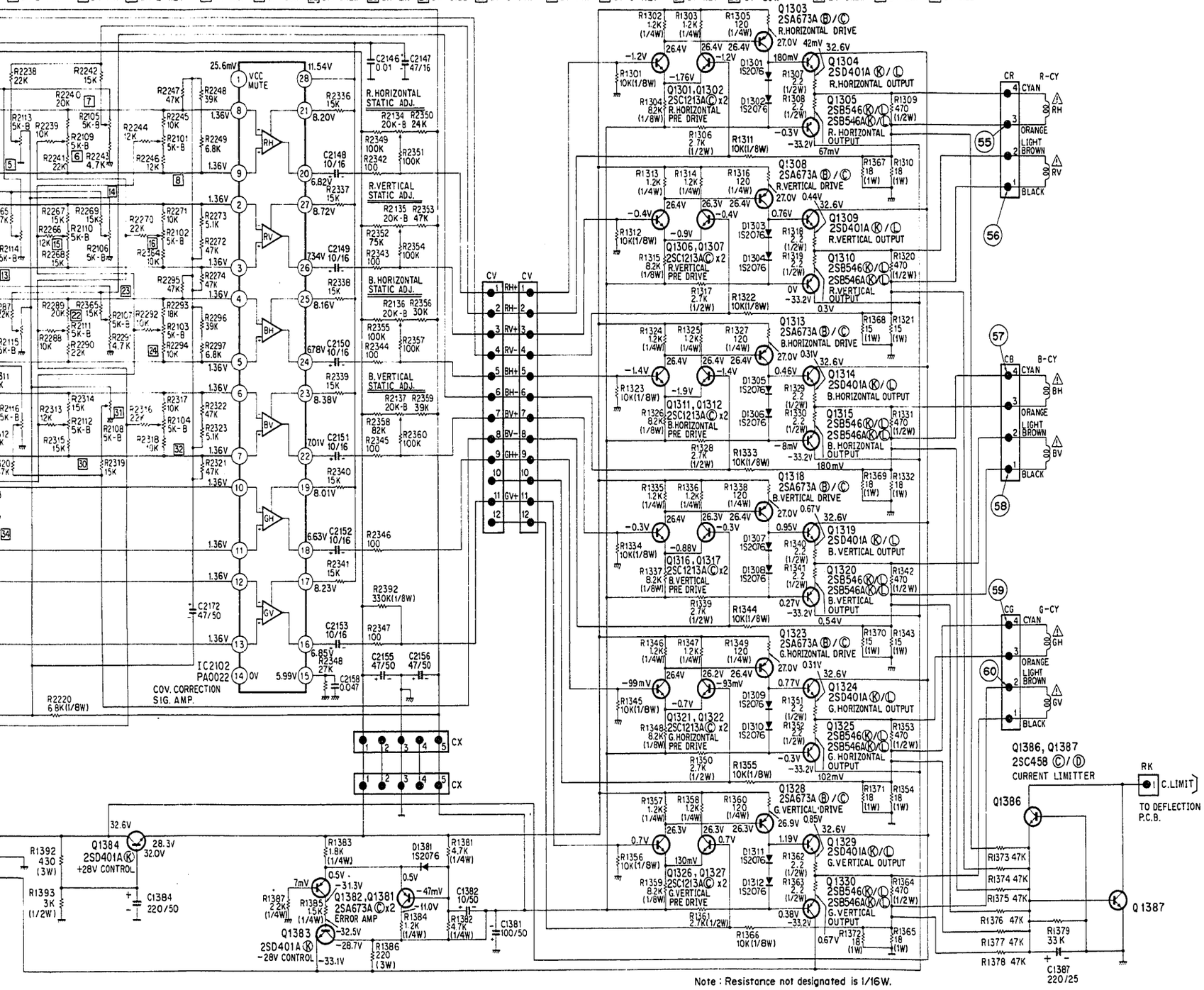



IC0403
AN5836
AUDIO CONTROL
AMP
CONTROL
VOL
TRE
BASS
BALANCE
Q4005
L BUFFER
Q4004
R BUFFER
Q4001
2SC1213(D)
RIPPLE FILTER
Q953
2SA673(C)/(D)
Q0404
SWITCH
Q0405
BUFFER
Q0403
2SC458(D)
AMP/LIMITER
Q0406
SAINHIBIT
R4057 500-B
BALANCE ADJ
Q4051
BUFFER
Q4052
BUFFER
Q4053
BIAS
Q4055
BUFFER
Q4054
BUFFER
Q4056
SURROUND SW
ST VCO ADJ
PILOT CANCEL
SA LEVEL ADJ
SEPARATION (LOW) ADJ
SEPARATION (HIGH) ADJ
ST FILTER ADJ
SA FILTER ADJ
SAVCO ADJ
IC0401
CX20112
MTS DECODER
L-R DET
L+R LPF
L+R PILOT CANCEL
AMP
STEREO LPF
SAP BPF
REG
LPF
VCO 4fH
P.D.
ATT
PILOT LEVEL DET
STEREO DISCRI
STEREO DRIVE
F.F.
L-R/SAP LPF
MATRIX
LIMITTER
SAP DET
SAP LPF
SAP DISCRI
SAP DRIVE
IC0402
CXA1011P
NOISE REDUCTION
VEMP
VCA
VE DET
V REG
VCA DET
BPF
Q0401
SA SELECT
Q0402
FORCED MAIN
Q0407
2SC1213(D)
+9V REG.
Q952
POWER SW.
Q951
2SD789
+12V REG.
T951
RL951
D901
RBU-406H
C904~C906, C908
4700P/AC125V x4
SC
+12V
SURROUND
BALANCE
BASS
TRE
VOL
SAPSEL
STEREO LED
STEREO MONO
SA LED
TO TUNER SELECTOR P.C.B
GND
L
R
TO SOUND OUTPUT P.C.B
MN
SPEAKERS OFF
TO SOUND OUTPUT P.C.B

Note: Resistor not designated is 1/16W.
Diode not designated is 1S2076/1S2473H
Zener Diode not designated is HZ-12 (A)/(B)/(C)
Transistor not designated is 2SA458 (B)/(C)/(D)
Transistor not designated is 2SA673 (C)/(D)

CONVERGENCE CORRECTION AND CONVERGENCE OUT CIRCUIT DIAGRAM

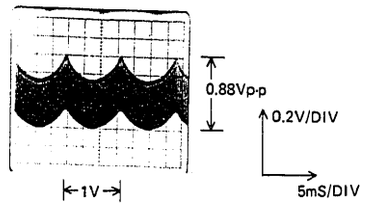



17 BH-L-PIN
18 BH-PIN
19 BH-L-KEY
20 BH-KEY
21 BH-BOW
22 BH-SKEW
23 BH-LIN
24 BH-SIZE
25 BV-U-PIN
26 BV-PIN
27 BV-U-KEY
28 BV-KEY
29 BV-BOW
30 BV-SKEW
31 BV-LIN
32 BV-SIZE
VCC MUTE
R.HORIZONTAL STATIC ADJ.
R.VERTICAL STATIC ADJ.
B.HORIZONTAL STATIC ADJ.
B.VERTICAL STATIC ADJ.
IC2102 PA0022
COV. CORRECTION SIG. AMP.
Q1303 2SA673A Ⓑ/Ⓒ R.HORIZONTAL DRIVE
Q1301,Q1302 2SC1213AⒸx2 R.HORIZONTAL PRE DRIVE
Q1304 2SD401A Ⓚ/Ⓛ R.HORIZONTAL OUTPUT
Q1305 2SB546Ⓚ/Ⓛ 2SB546AⓀ/Ⓛ R. HORIZONTAL OUTPUT
Q1308 2SA673A Ⓑ/Ⓒ R.VERTICAL DRIVE
Q1306,Q1307 2SC1213AⒸx2 R.VERTICAL PRE DRIVE
Q1309 2SD401A Ⓚ/Ⓛ R.VERTICAL OUTPUT
Q1310 2SB546Ⓚ/Ⓛ 2SB546AⓀ/Ⓛ R.VERTICAL OUTPUT
Q1313 2SA673A Ⓑ/Ⓒ B.HORIZONTAL DRIVE
Q1311,Q1312 2SC1213AⒸx2 B.HORIZONTAL PRE DRIVE
Q1314 2SD401A Ⓚ/Ⓛ B.HORIZONTAL OUTPUT
Q1315 2SB546Ⓚ/Ⓛ 2SB546AⓀ/Ⓛ B. HORIZONTAL OUTPUT
Q1318 2SA673A Ⓑ/Ⓒ B.VERTICAL DRIVE
Q1316,Q1317 2SC1213AⒸx2 B.VERTICAL PRE DRIVE
Q1319 2SD401A Ⓚ/Ⓛ B. VERTICAL OUTPUT
Q1320 2SB546Ⓚ/Ⓛ 2SB546AⓀ/Ⓛ B.VERTICAL OUTPUT
Q1323 2SA673A Ⓑ/Ⓒ G.HORIZONTAL DRIVE
Q1321,Q1322 2SC1213AⒸx2 G.HORIZONTAL PRE DRIVE
Q1324 2SD401A Ⓚ/Ⓛ G.HORIZONTAL OUTPUT
Q1325 2SB546Ⓚ/Ⓛ 2SB546AⓀ/Ⓛ G. HORIZONTAL OUTPUT
Q1328 2SA673A Ⓑ/Ⓒ G.VERTICAL DRIVE
Q1326,Q1327 2SC1213AⒸx2 G.VERTICAL PRE DRIVE
Q1329 2SD401AⓀ/Ⓛ G.VERTICAL OUTPUT
Q1330 2SB546Ⓚ/Ⓛ 2SB546AⓀ/Ⓛ G.VERTICAL OUTPUT
Q1384 2SD401AⓀ +28V CONTROL
Q1382,Q1381 2SA673AⒸx2 ERROR AMP
Q1383 2SD401AⓀ -28V CONTROL
Q1386,Q1387 2SC458 Ⓒ/Ⓓ CURRENT LIMITTER
Q1386
Q 1387
CR R-CY
CB B-CY
CG G-CY
CYAN
ORANGE
LIGHT BROWN
BLACK
RH
RV
BH
BV
GH
GV
CX
RK
C.LIMIT
TO DEFLECTION P.C.B.
CV CV
RH+ RH- RV+ RV- BH+ BH- BV+ BV- GH+ GV+
Note : Resistance not designated is 1/16W.

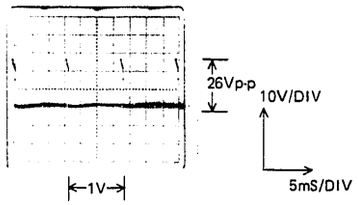
• WAVEFORMS

CONVERGENCE CORRECTION AND CONVERGENCE OUT P.C. Board

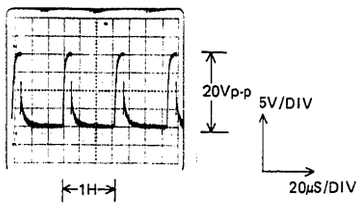
㉟ R CONNECTOR ③ PIN



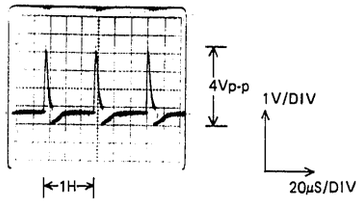
㊱ R CONNECTOR ④ PIN



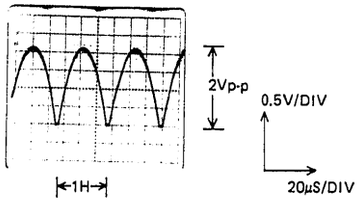
㊲ R CONNECTOR



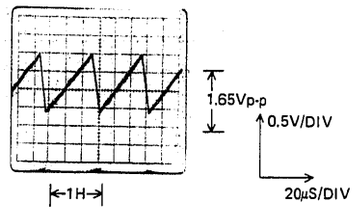
㊳ IC2101 ㉗ PIN



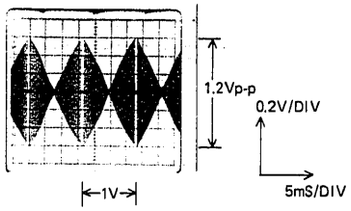
㊴ IC2101 ㉒ PIN



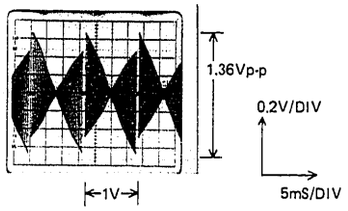
㊵ IC2101 ⑳ PIN



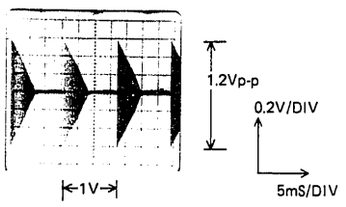
㊶ IC2101 ⑰ PIN



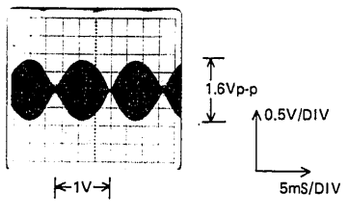
㊷ IC2101 ⑱ PIN



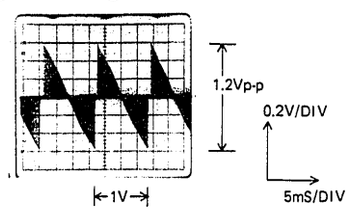
㊸ IC2101 ⑭ PIN



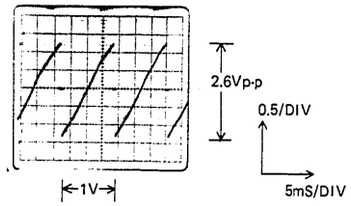
㊹ IC2101 ⑯ PIN



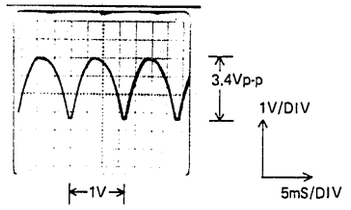
㊺ IC2101 ⑫ PIN



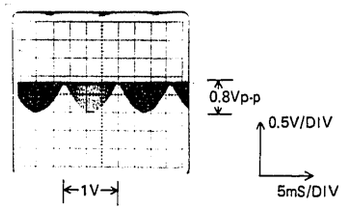
㊻ IC2101 ⑪ PIN



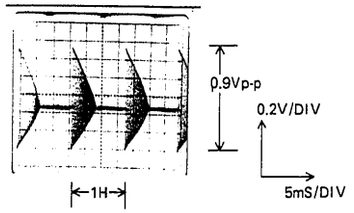
㊼ Q2112 BASE (TP2)



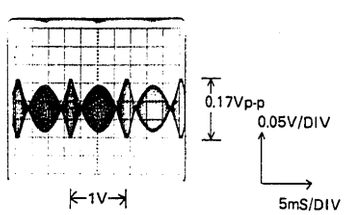
㊽ C2112 – SIDE



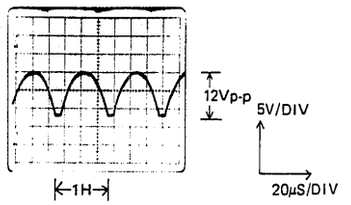
㊾ C2134 – SIDE



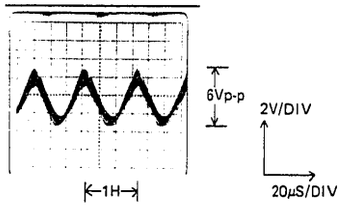
㊿ Q2110 EMITTER



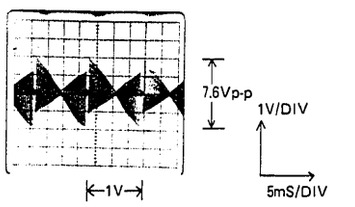
(54) Q2115 EMITTER



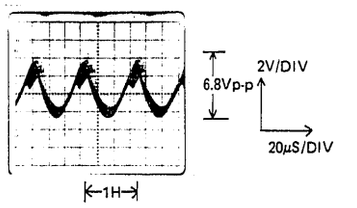
(55) R-CY 3



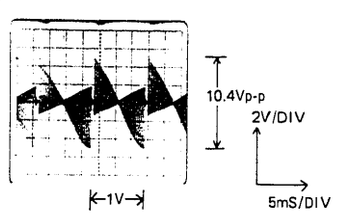
(56) R-CY 1



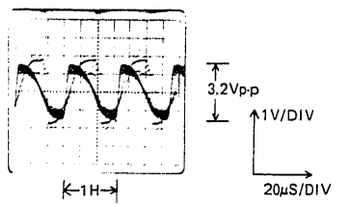
(57) B-CY 4



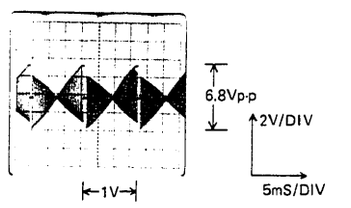
(58) B-CY 1



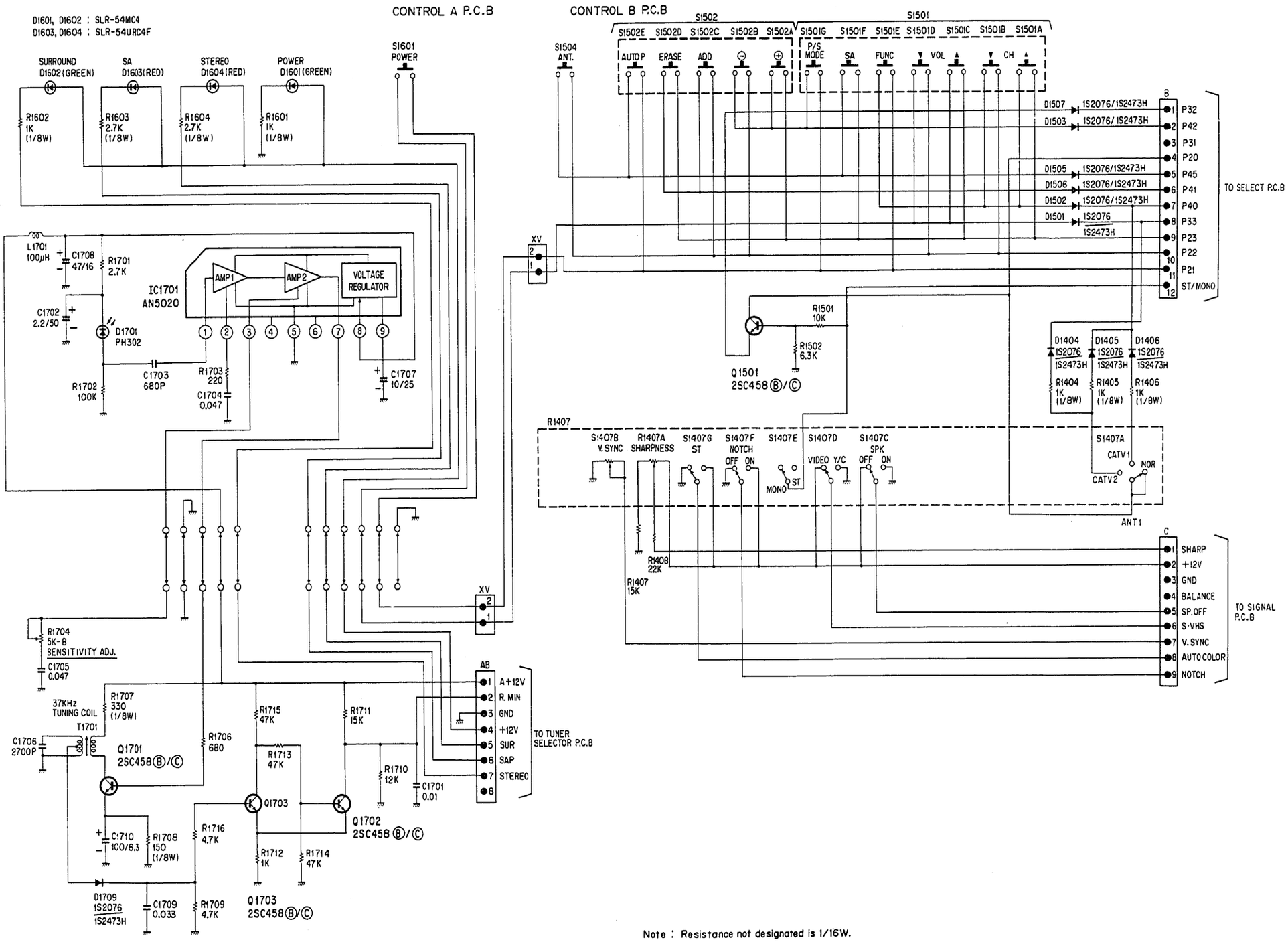
(59) G-CY 4



(60) C-CY 2

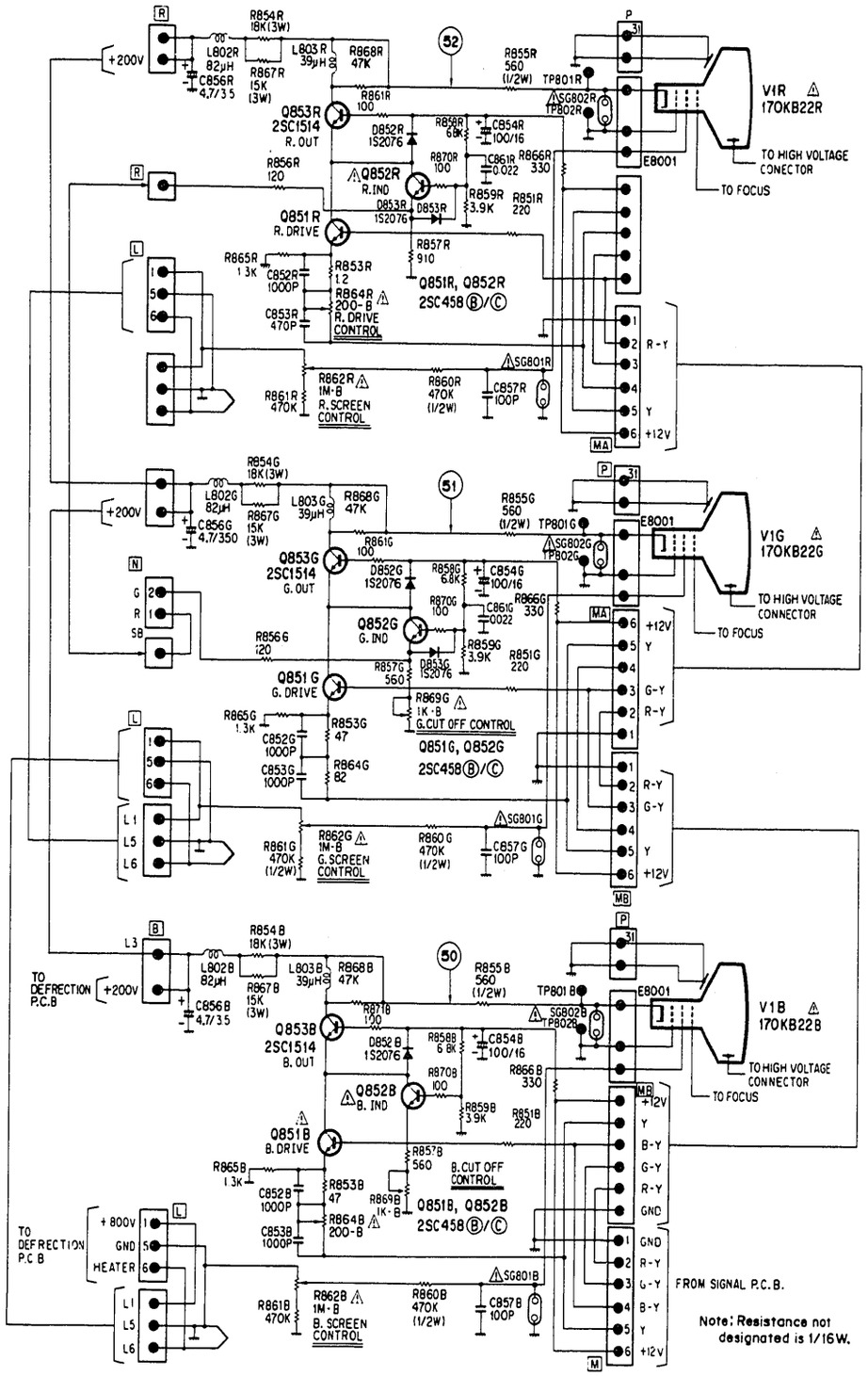


CONTROL (A), (B) CIRCUIT DIAGRAM



Note : Resistance not designated is 1/16W.

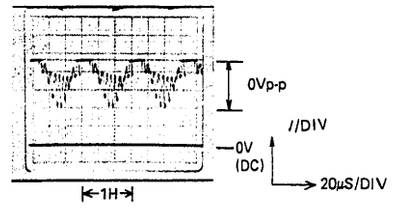
CPT CIRCUIT DIAGRAM



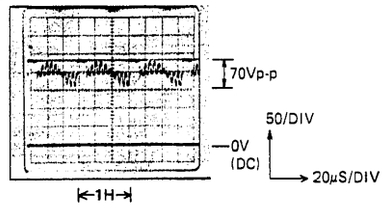
• WAVEFORMS

CPT P.C. Board

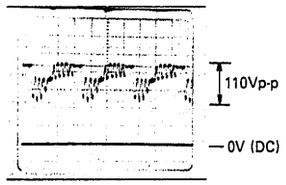
(50) TP801B



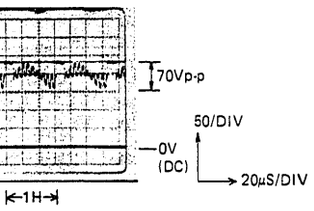
(51) TP801G



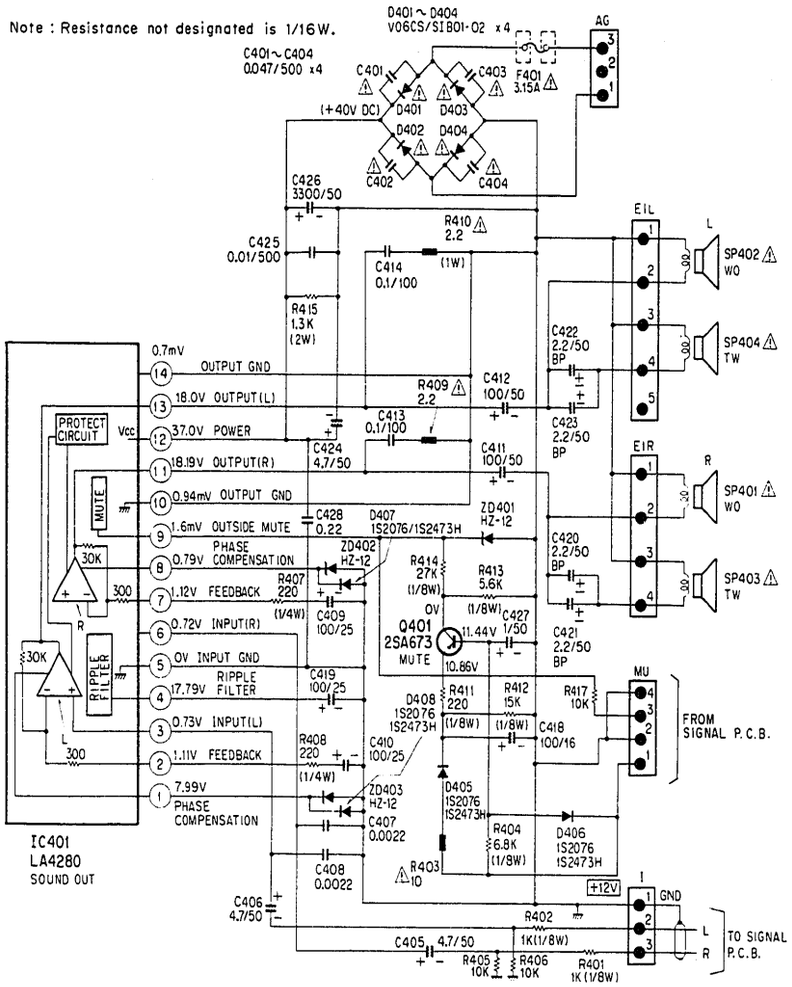
(52) TP801R



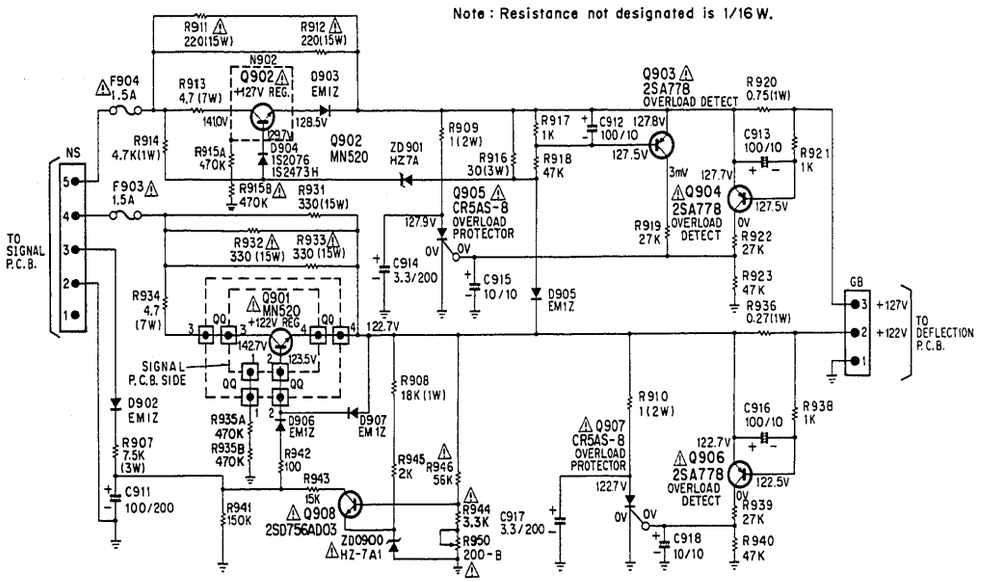
G



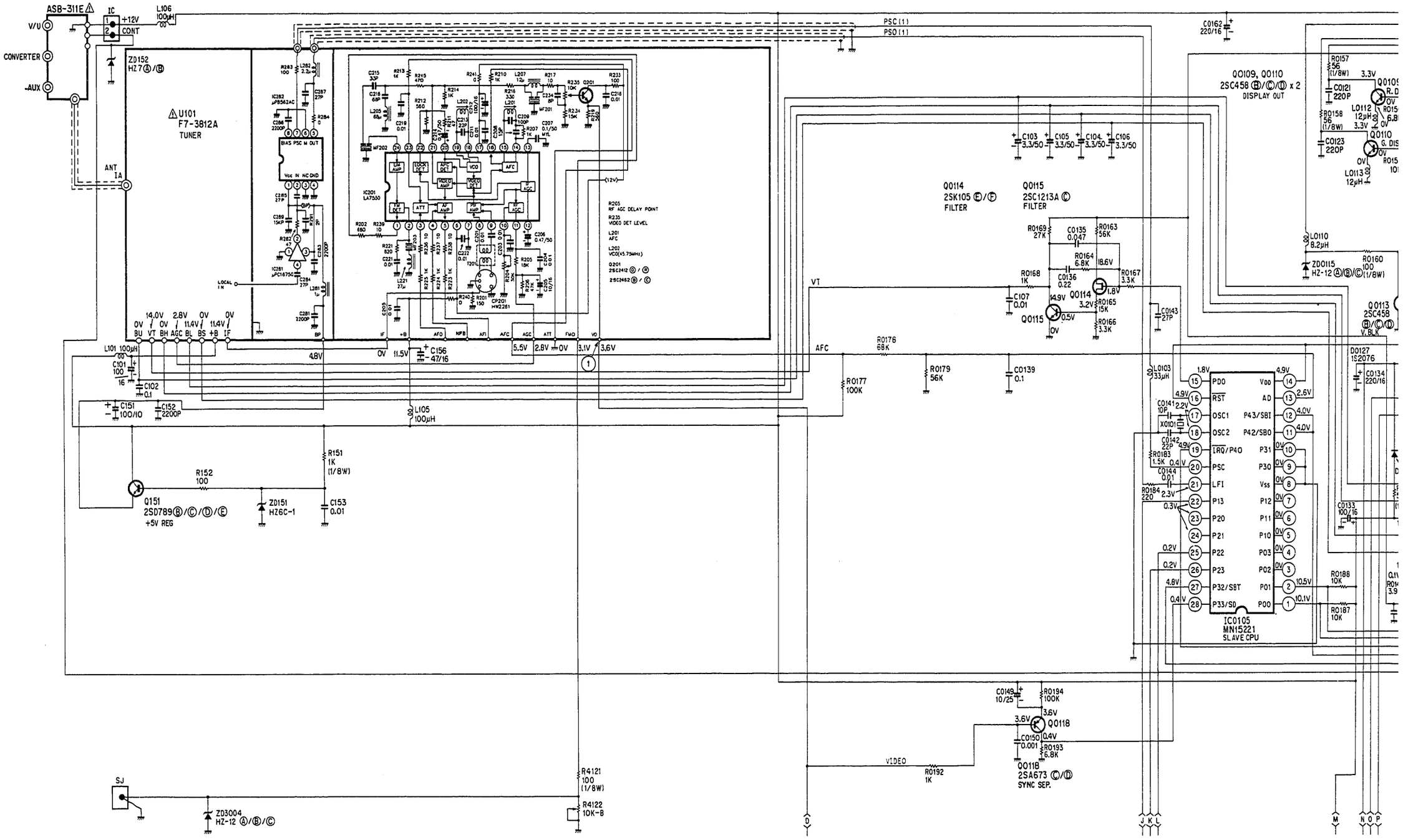
AUDIO OUTPUT CIRCUIT DIAGRAM

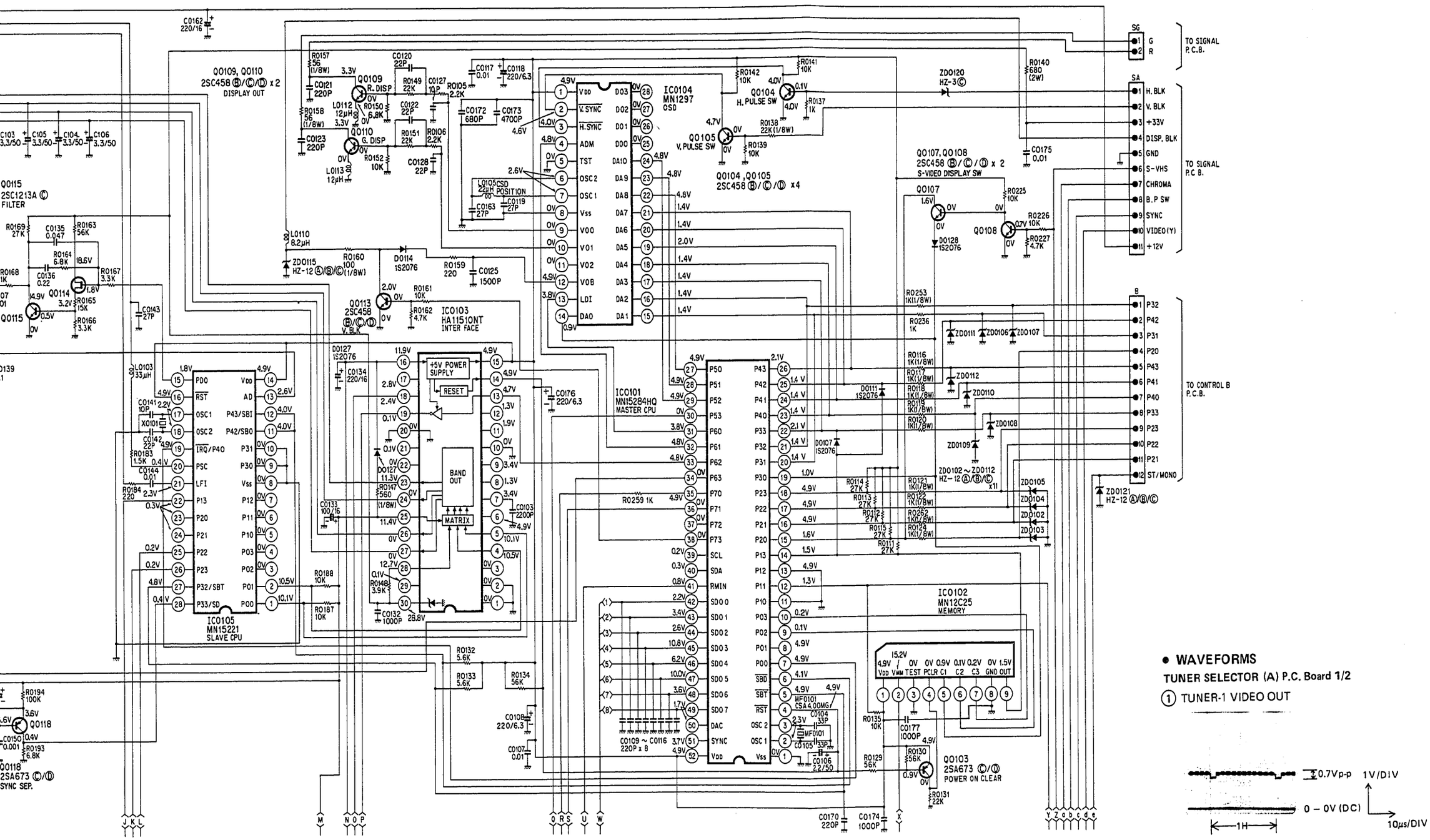


POWER SUPPLY SUB CIRCUIT DIAGRAM



TUNER SELECTOR CIRCUIT DIAGRAM (1/2)





• WAVEFORMS

TUNER SELECTOR (A) P.C. Board 1/2

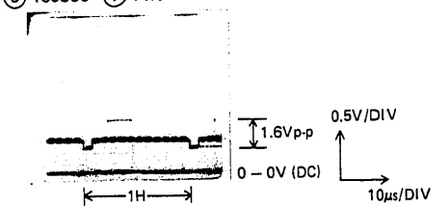
① TUNER-1 VIDEO OUT

TUNER SELECTOR CIRCUIT DIAGRAM (2/2)

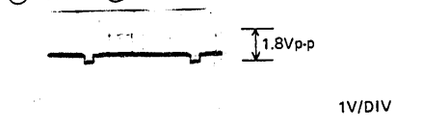
• WAVEFORMS

TUNER SELECTOR (A) P.C. Board 2/2

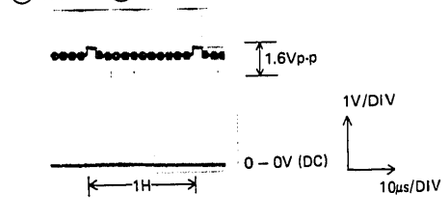
③ IC3003 ① PIN



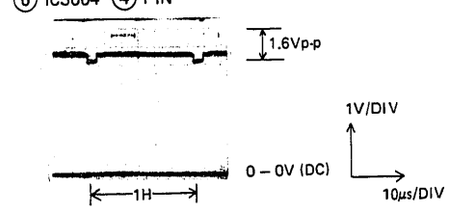
④ IC3003 ⑦ PIN



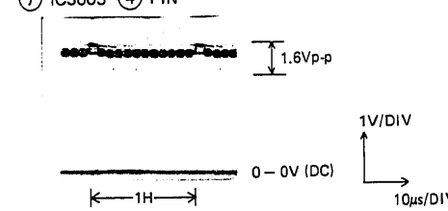
⑤ IC3003 ⑧ PIN

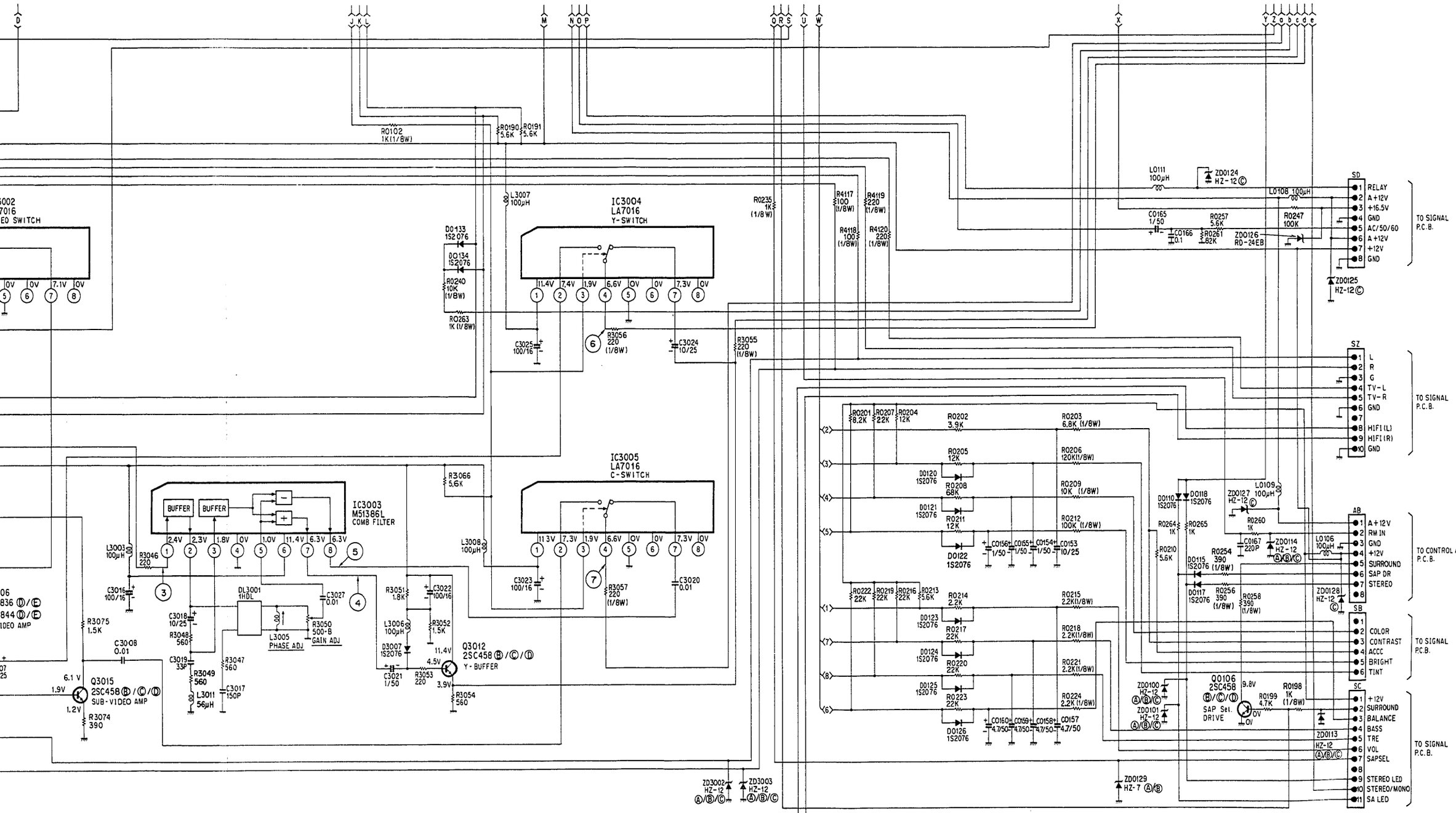


⑥ IC3004 ④ PIN



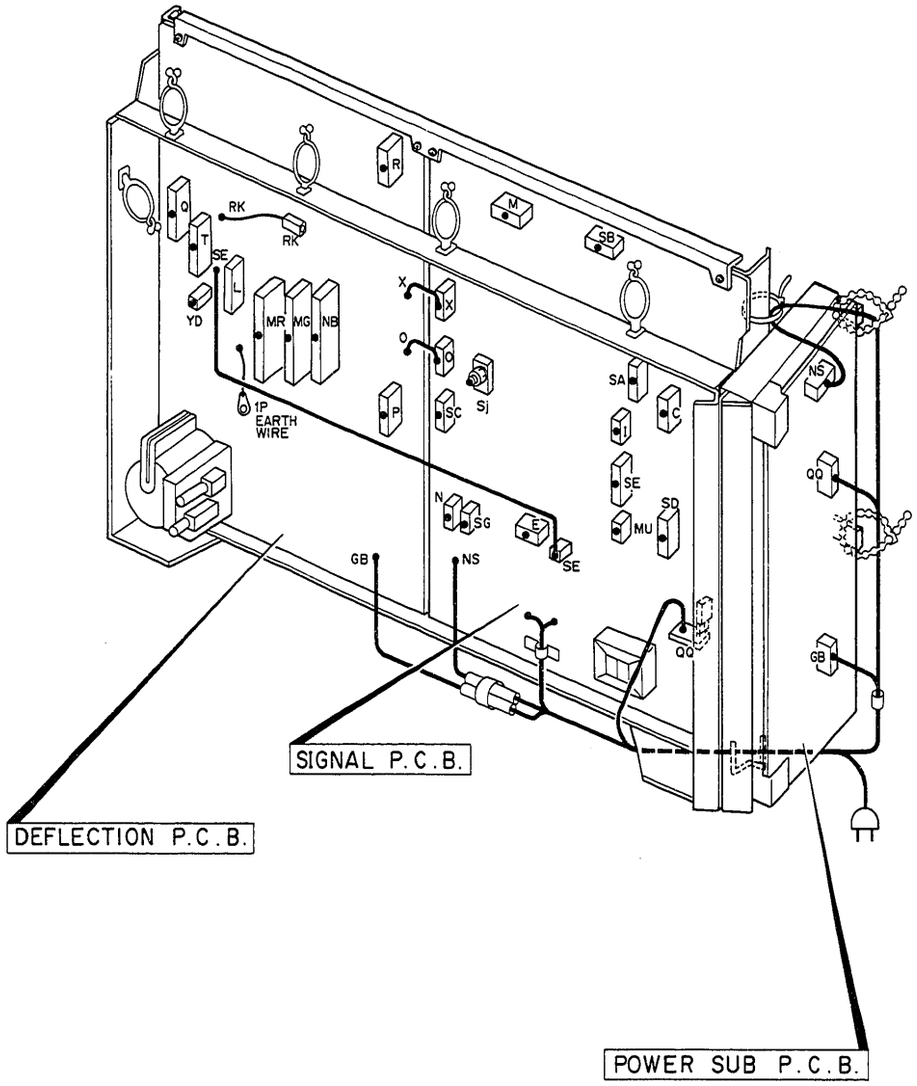
⑦ IC3005 ④ PIN



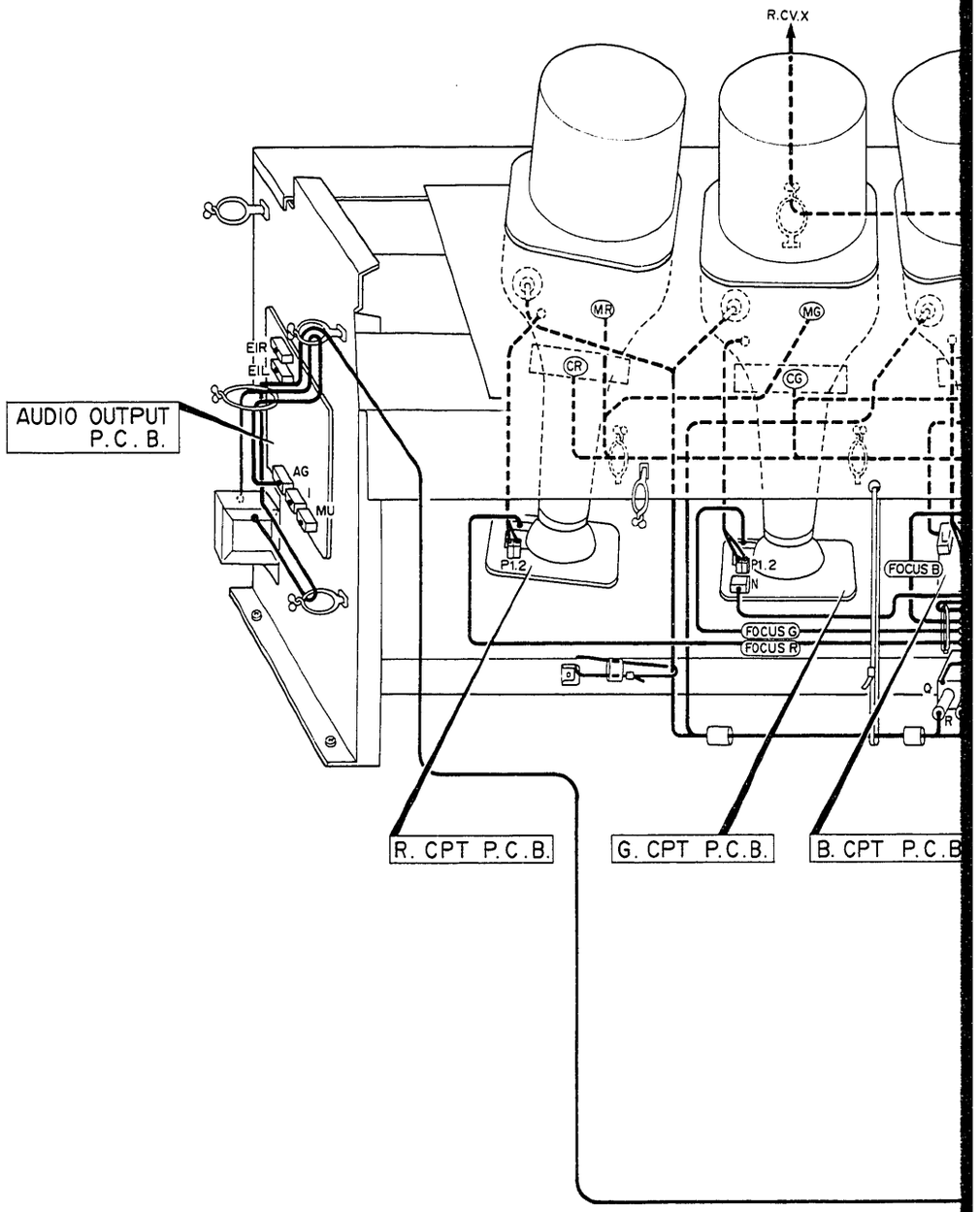

IC3004
LA7016
Y-SWITCH
IC3005
LA7016
C-SWITCH
IC3003
M51386L
COMB FILTER
BUFFER
BUFFER
DL3001
1HDL
L3005
PHASE ADJ
Q3012
2SC458Ⓑ/Ⓒ/Ⓓ
Y-BUFFER
Q3015
2SC458Ⓑ/Ⓒ/Ⓓ
SUB-VIDEO AMP
Q0106
2SC458
Ⓑ/Ⓒ/Ⓓ
SAP Sel.
DRIVE
SD
RELAY
A+12V
+16.5V
GND
AC/50/60
A+12V
+12V
GND
TO SIGNAL P.C.B.
SZ
L
R
G
TV-L
TV-R
GND
HIFI(L)
HIFI(R)
GND
TO SIGNAL P.C.B.
AB
A+12V
RM IN
GND
+12V
SURROUND
SAP DR
STEREO
TO CONTROL A P.C.B.
SB
COLOR
CONTRAST
ACCC
BRIGHT
TINT
TO SIGNAL P.C.B.
SC
+12V
SURROUND
BALANCE
BASS
TRE
VOL
SAPSEL
STEREO LED
STEREO/MONO
SA LED
TO SIGNAL P.C.B.

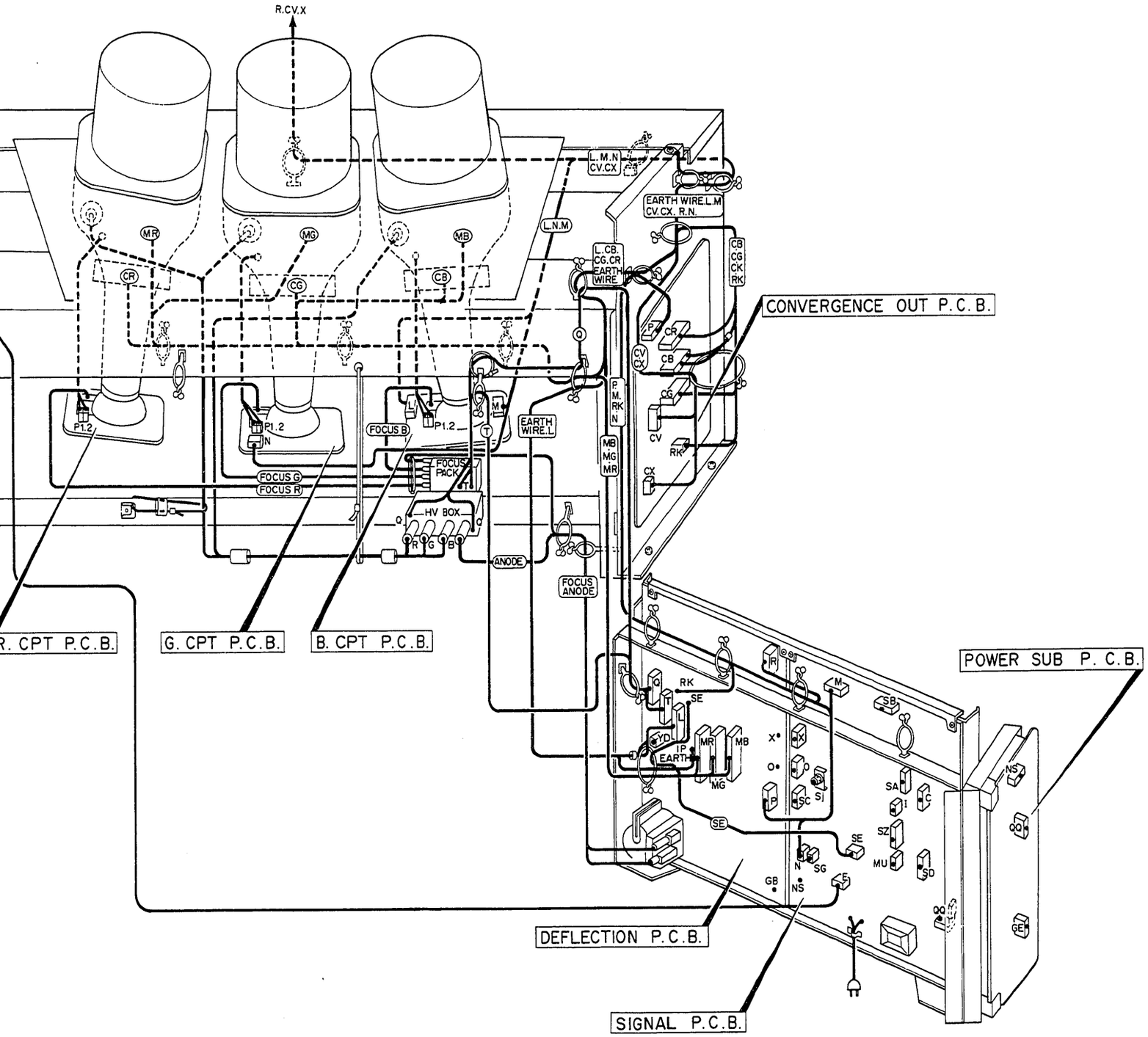
MAIN CHASSIS WIRING DIAGRAM

WIRING DIAGRAM

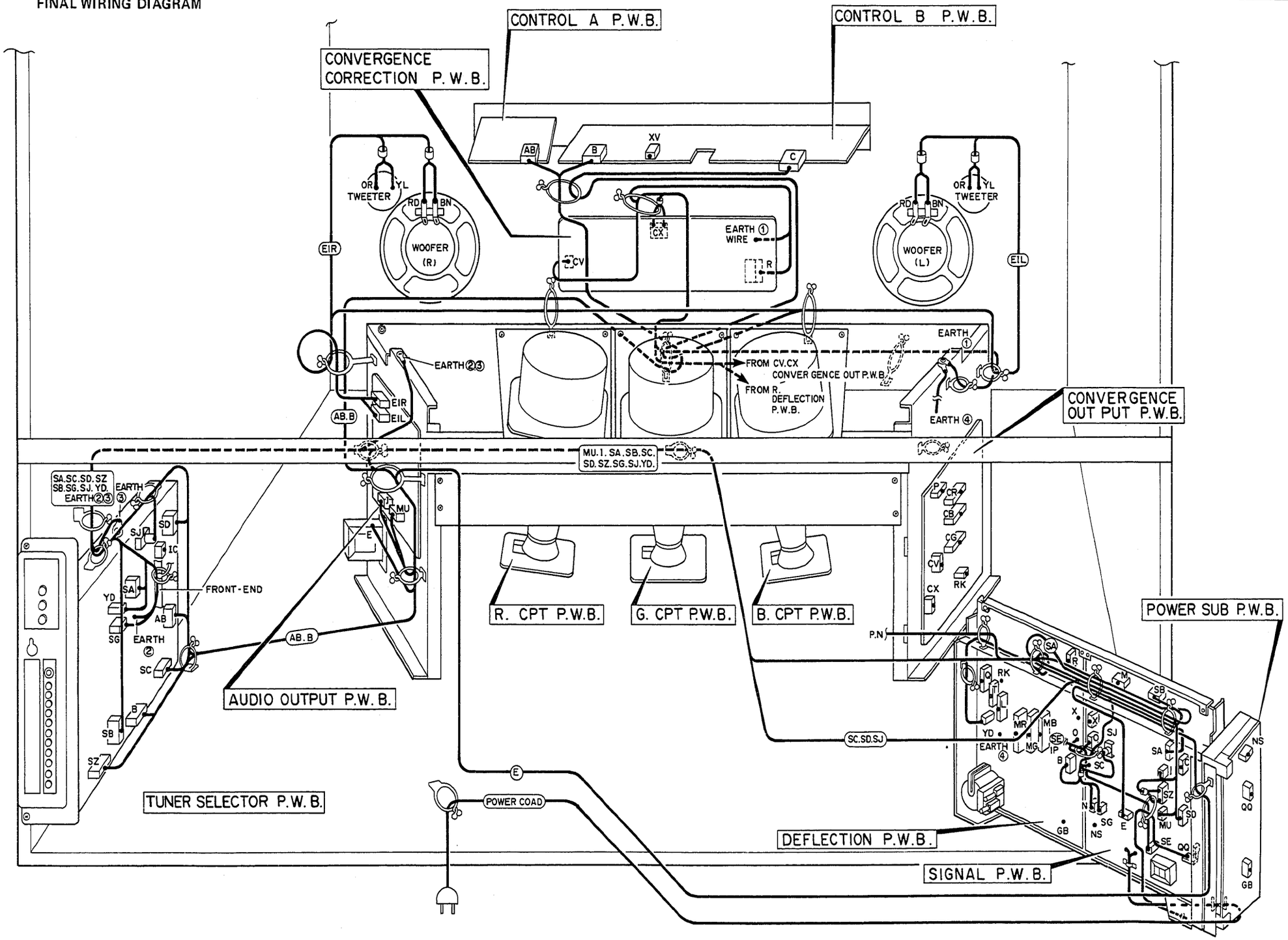


LENS CPT BLOCK WIRING DIAGRAM



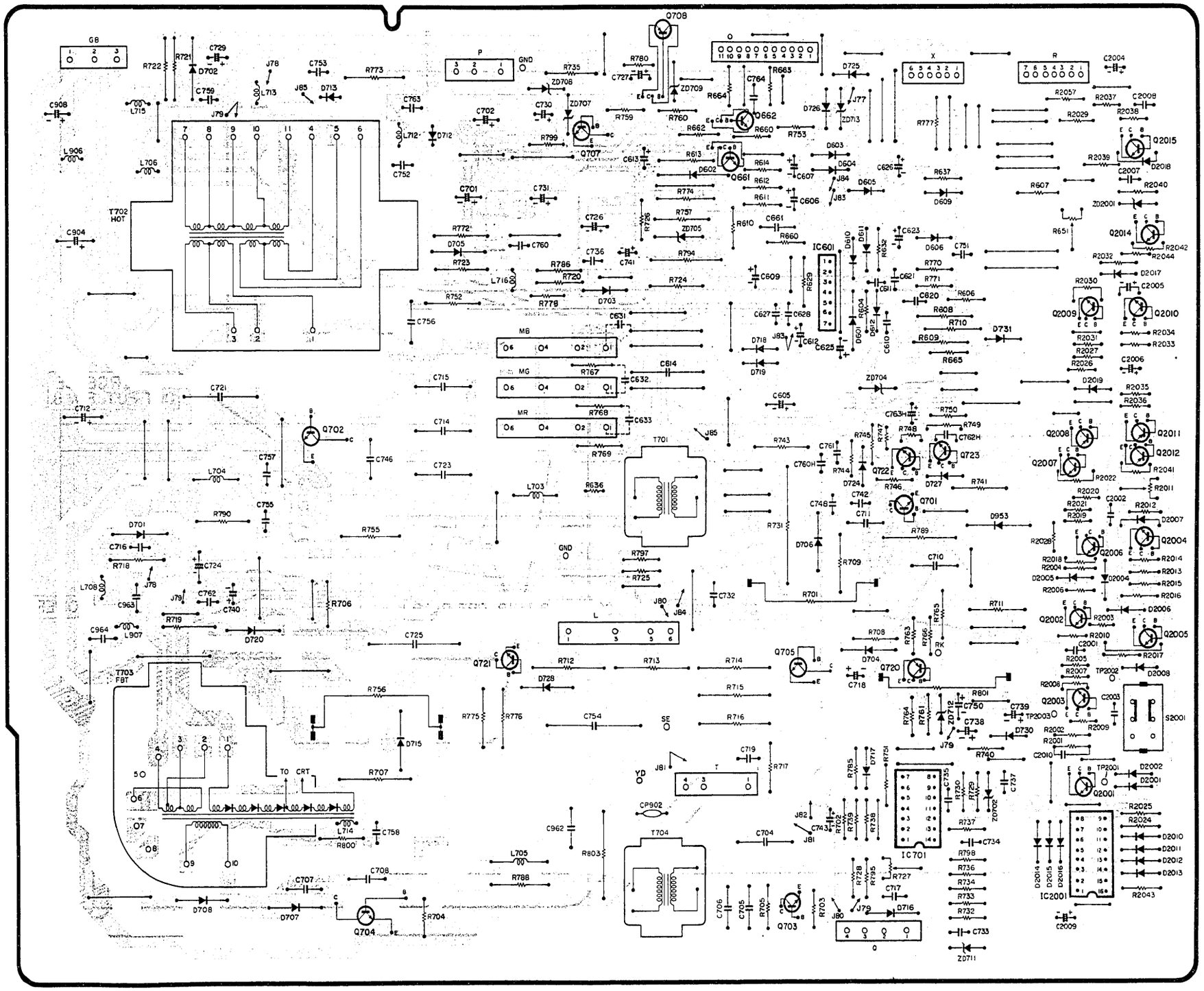

R.CV.X
L. M.N CV.CX
EARTH WIRE.L.M CV.CX. R.N.
L.N.M
L.CB. CG.CR EARTH WIRE
CB CG CK RK
CONVERGENCE OUT P.C.B.
P
CR
CB
CV CX
CG
P. M. RK N
CV
RK
CX
MB MG MR
EARTH WIRE.L
FOCUS B
P1.2
P1.2
P1.2
N
FOCUS G
FOCUS R
FOCUS PACK
HV BOX
R G B
ANODE
FOCUS ANODE
R. CPT P.C.B.
G. CPT P.C.B.
B. CPT P.C.B.
POWER SUB P. C. B.
RK
SE
YD
FP
EARTH
MR
MB
MG
SE
SE
N
SG
GB
NS
F
IR
M
SB
SA
I
C
SZ
MU
SD
SC
SJ
NS
GE
DEFLECTION P.C.B.
SIGNAL P.C.B.

FINAL WIRING DIAGRAM

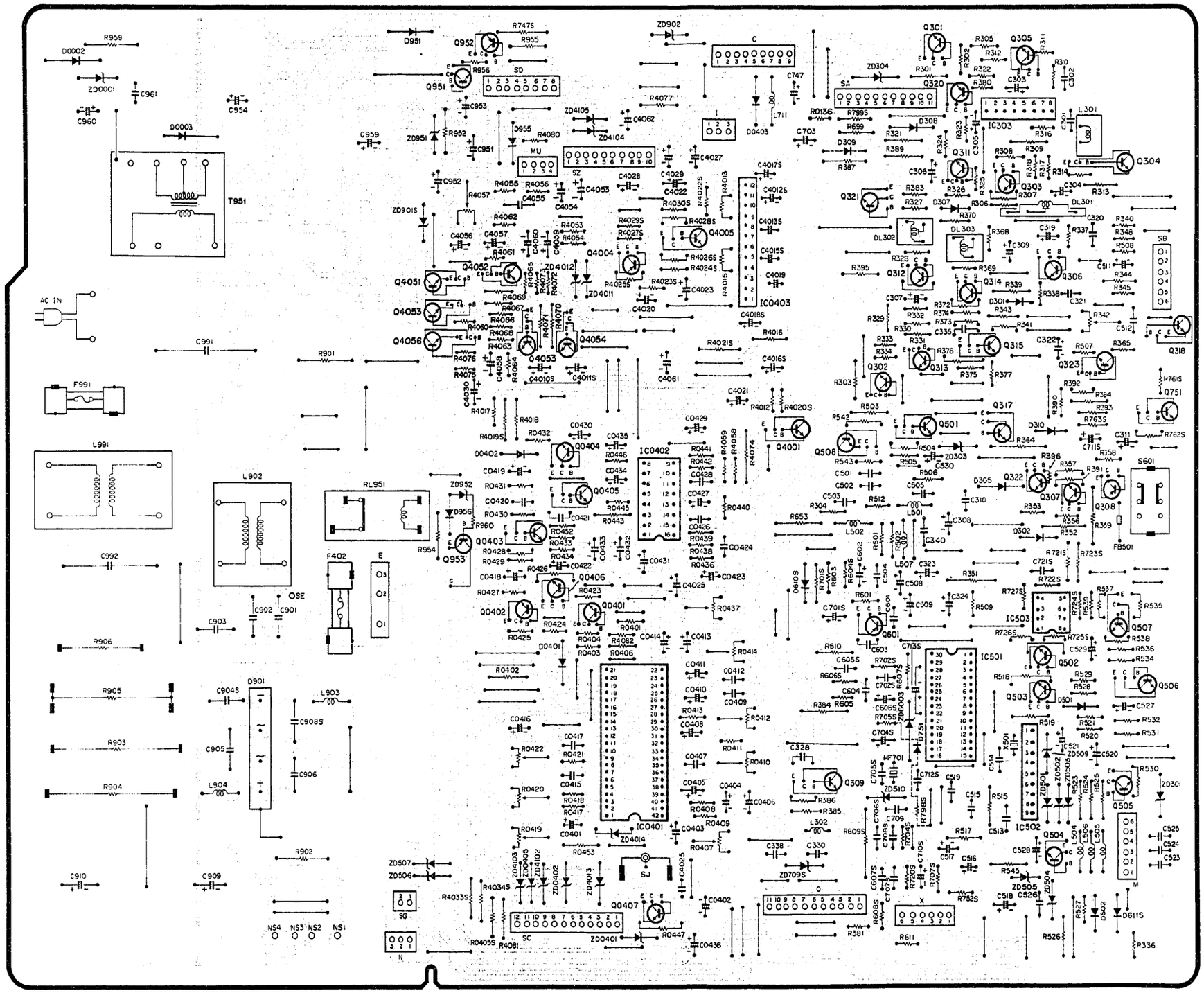


DEFLECTION P.C. BOARD

PRINTED CIRCUIT BOARD



SIGNAL P.C. BOARD


R959
D0002
ZD0001
C961
C960
C954
D0003
T951
AC IN
C991
F991
L991
L902
RL951
F402
OSE
C992
C903
C902
C901
R906
R905
R903
R904
C910
C909
C904S
C905
L904
D901
L903
C908S
C906
R902
NS4 NS3 NS2 NS1
SG
SC
N
D951
Q952
R747S
R955
R956
Q951
SD
C953
R952
ZD951
D955
R4080
MU
SZ
C959
C951
C952
R4055
R4056
R4057
C4055
C4053
C4028
C4029
C4022
C4027
C4054
ZD901S
R4062
C4056
C4057
R4061
R4053
R4054
C4060
C4059
Q4004
Q4005
R4022S
R4030S
R4028S
R4029S
R4027S
R4026S
R4024S
R4023S
C4023
ZD4012
ZD4011
Q4052
Q4051
Q4053
Q4056
R4069
R4067
R4066
R4060
R4068
R4063
R4076
R4075
R4071
R4072
R4070
Q4054
Q4053
C4058
R4064
C4010S
C4011S
C4030
R4017
R4018
R4019S
C4020
C4061
C4021
R4012
R4020S
Q4001
ZD902
C
L711
D0403
C747
C703
R0136
R4077
ZD4105
ZD4104
C4062
I
C4017S
C4012S
C4013S
C4015S
C4019
C4018S
C4016
R4021S
C4016S
IC0403
R4013
R4025S
IC0402
R0441
R0442
C0428
C0427
C0426
R0438
R0436
C0424
C0423
C4025
C0431
C0429
R4059
R4058
R4074
R0440
R0437
C0432
C0433
R0443
R0445
R0452
R0433
R0434
C0422
C0421
C0435
R0446
C0434
C0430
R0432
R0431
C0420
R0430
C0419
D0402
R0418
R0419S
C4030
R4017
C4010S
C4011S
Q0404
Q0405
Q0406
Q0401
Q0402
Q0403
R960
D956
ZD952
R954
Q953
R0428
R0429
C0418
R0427
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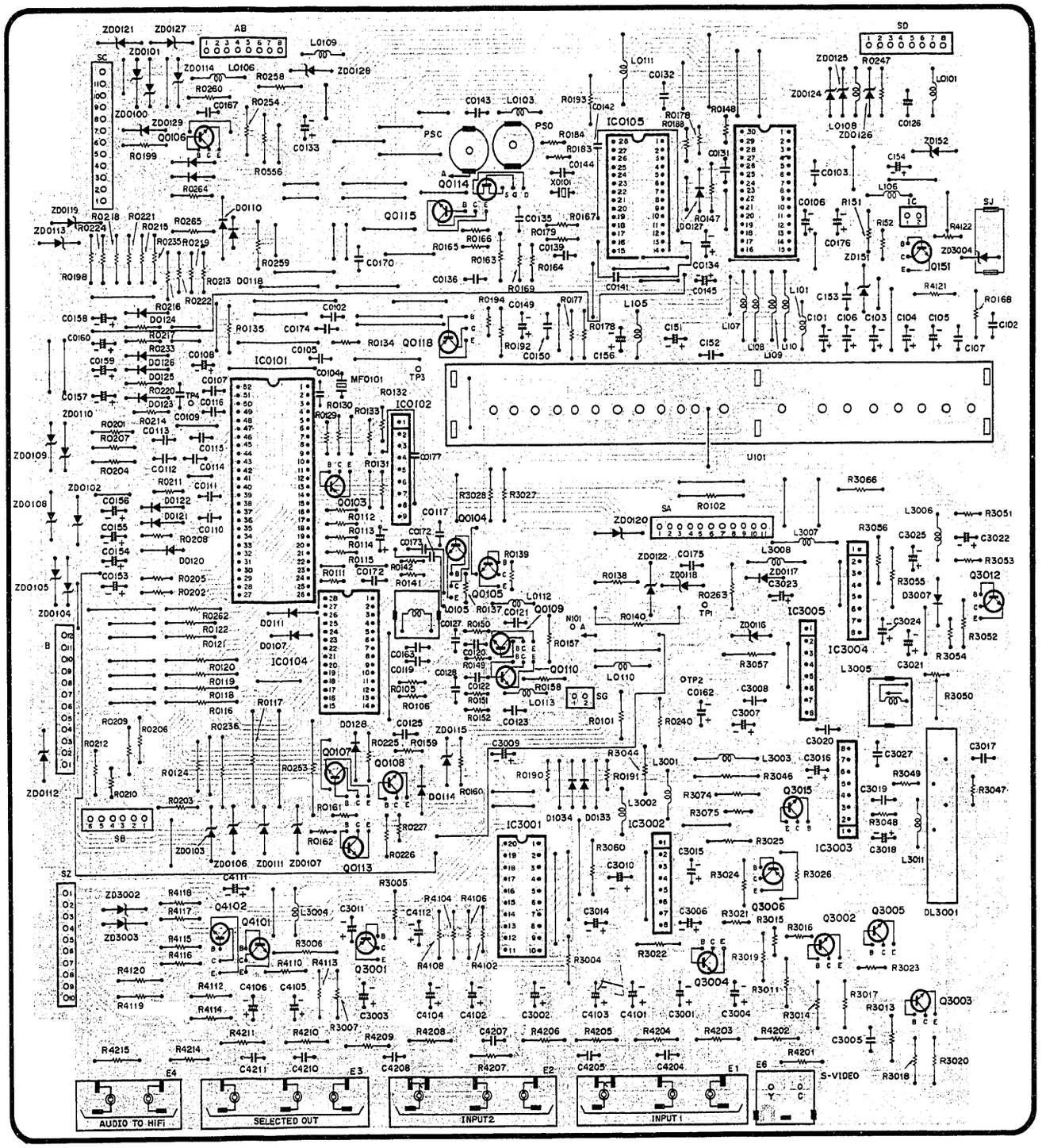
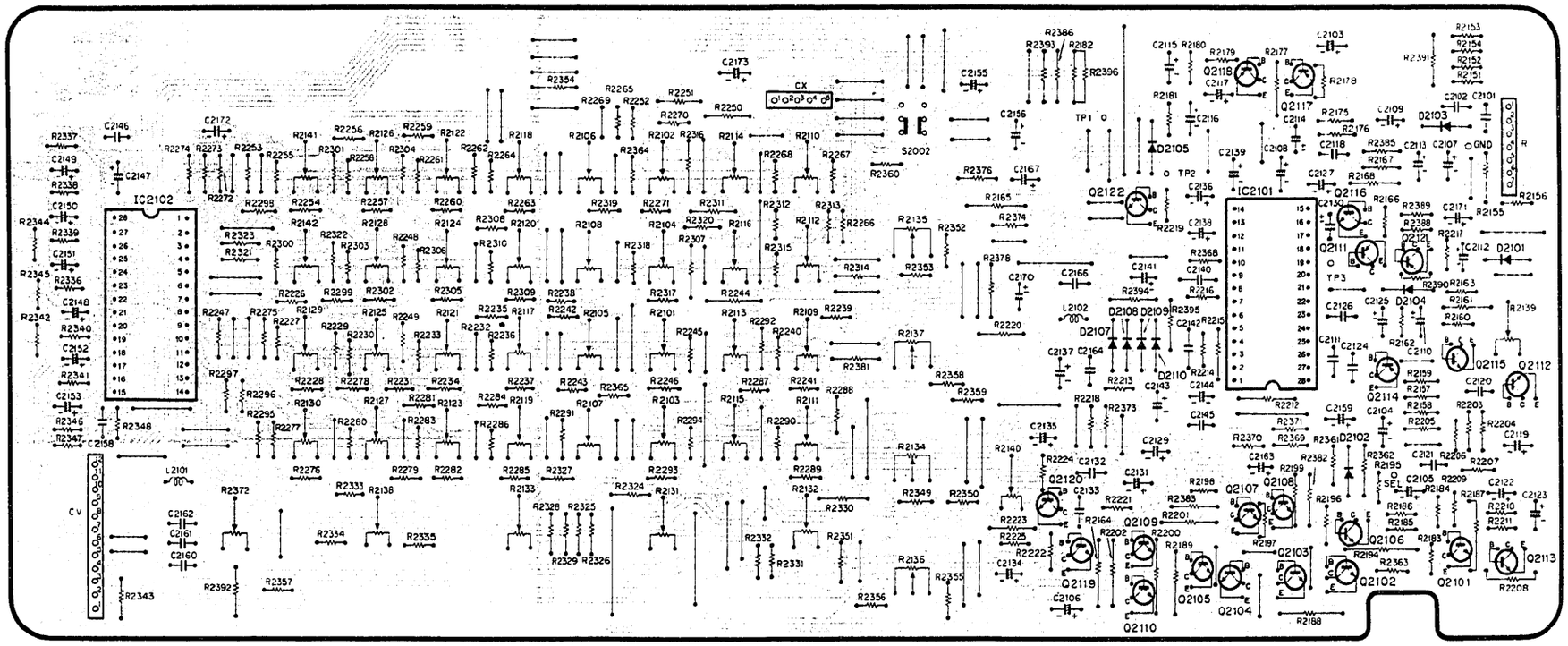
R0424
R0423
R0404
R0403
R4082
R0401
C0414
C0413
R0414
R0406
D0401
R0402
C0411
C0412
C0409
C0410
R0413
C0408
R0412
R0411
R0410
C0407
C0405
C0404
C0406
R0408
R0409
R0407
C0416
C0417
R0421
C0415
R0418
R0417
R0422
R0420
R0419
C0401
R0453
IC0401
ZD4014
C0403
C4025
C0402
C338
C330
ZD709S
ZD507
ZD506
ZD4103
ZD0405
ZD4102
ZD0402
ZD4013
SJ
R40335
R40345
R4081
R40355
Q0407
ZD0401
R0447
C0436
R4078
R4015
C4019
C4015S
C4016S
C4018S
C4017S
C4012S
C4013S
C4025S
C4029S
C4030S
C4028S
C4027S
C4026S
C4024S
C4023S
C4022S
C4021S
C4020S
C4019S
C4018S
C4017S
C4016S
C4015

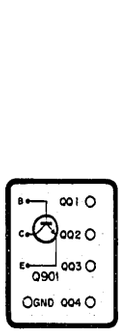
TUNER SELECTOR P.C. BOARD

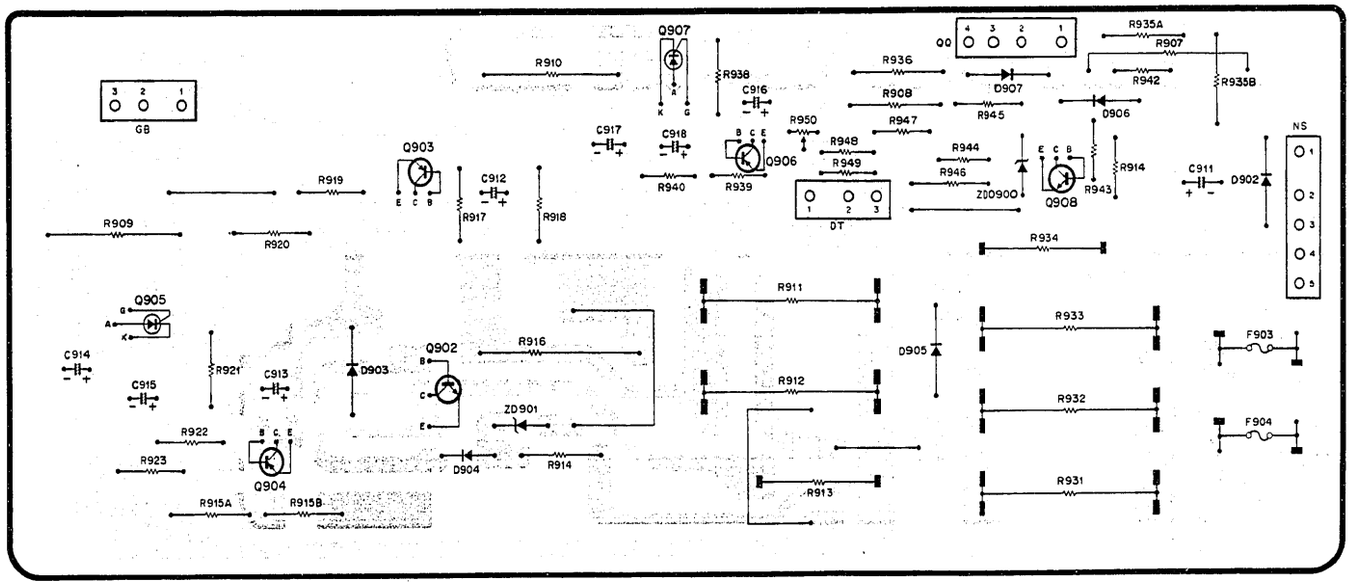


CONVERGENCE CORRECTION P.C. BOARD

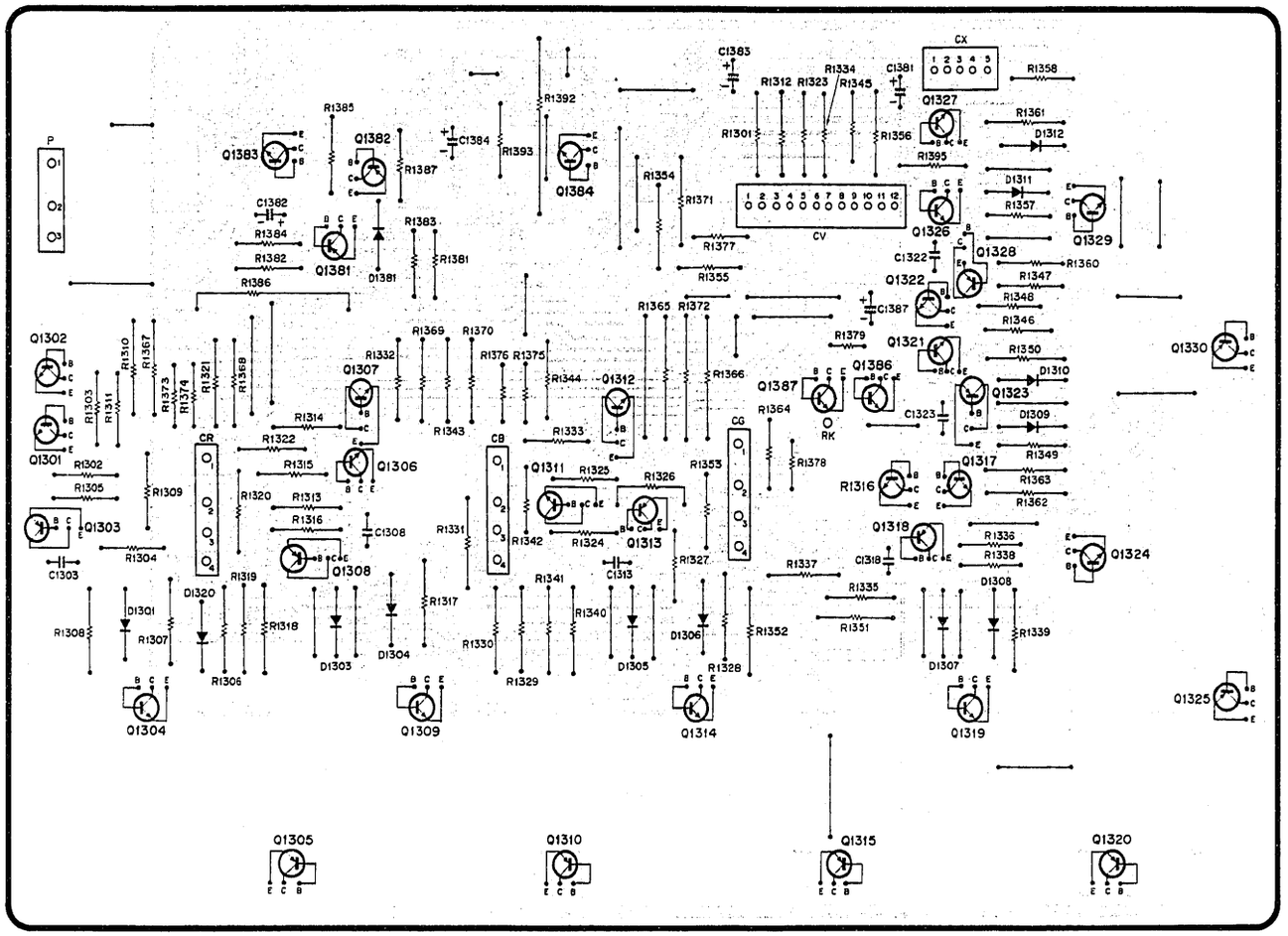


POWER SUPPLY SUB P.C. BOARD

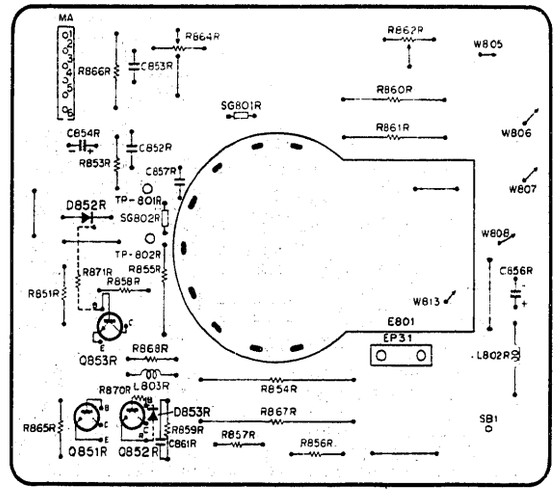




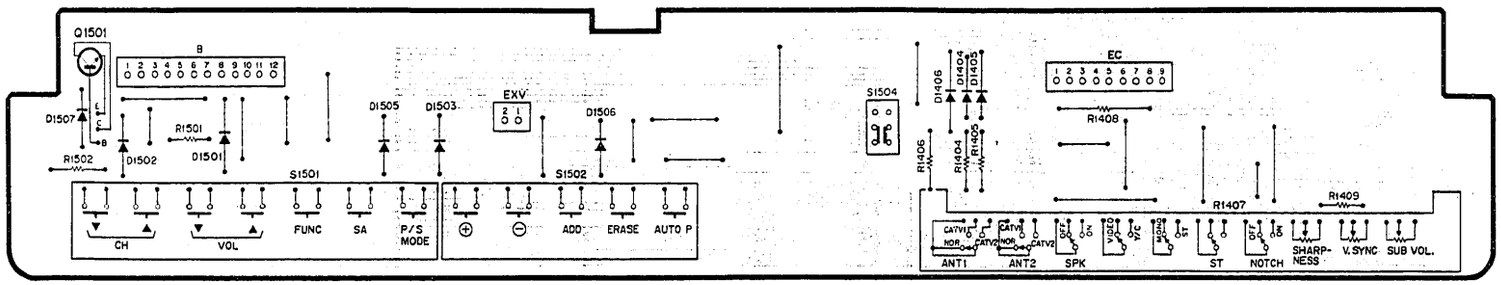
CONVERGENCE OUT P.C. BOARD



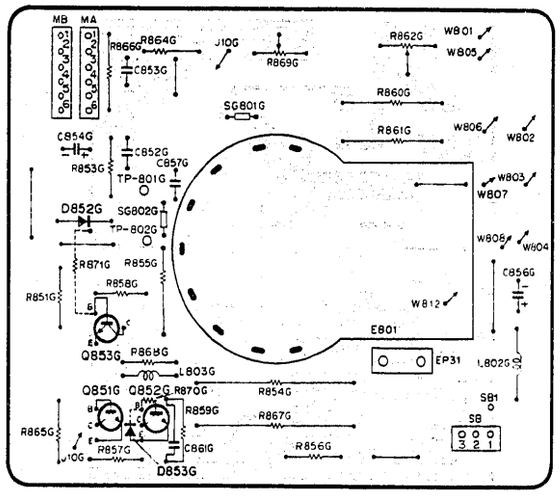
CPT (R) P.C. BOARD



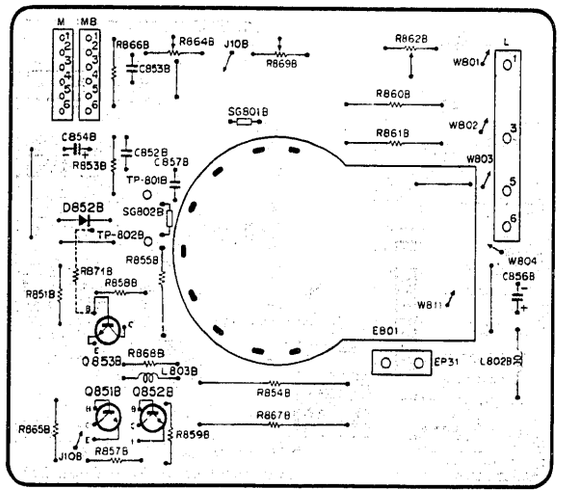
CONTROL (B) P.C. BOARD



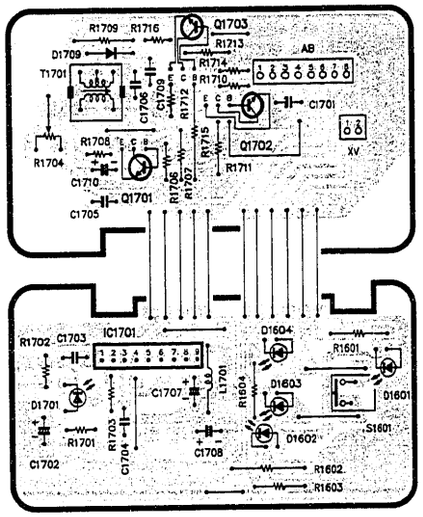
CPT (G) P.C. BOARD



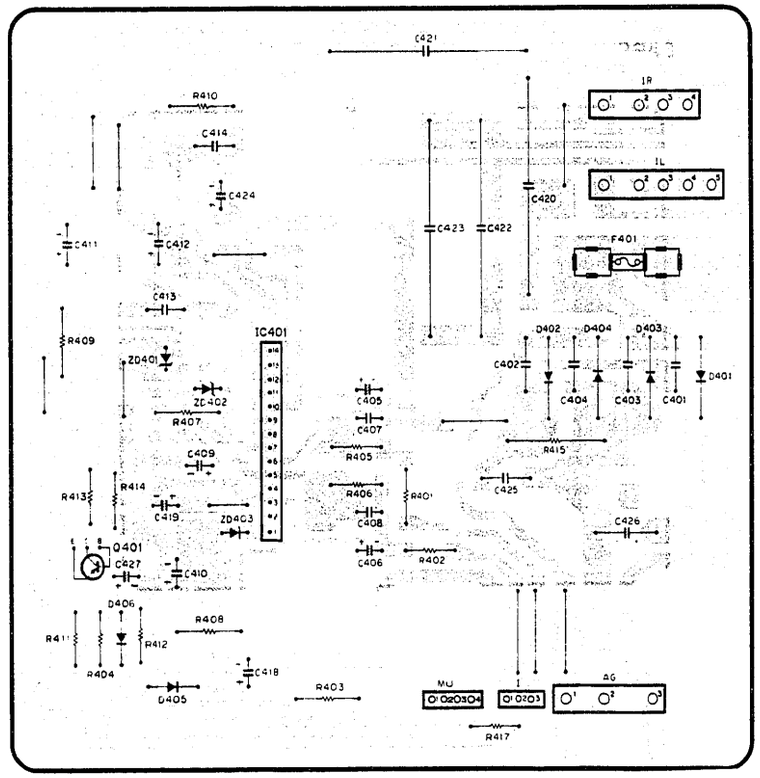
CPT (B) P.C. BOARD



CONTROL (A) P.C. BOARD



AUDIO OUTPUT P.C. BOARD



REPLACEMENT PARTS LIST

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ABBREVIATIONS

CAPACITORS···CD:CERAMIC DISK, PF:POLYESTER FILM, EL:ELECTROLYTIC, PP:POLYPROPYLENE, PR:PAPER, TA:TANTALUM, TM:TRIMMER

RESISTORS···CF:CARBON FILM, CC:CARBON COMPOSITION, MF:METAL OXIDE FILM, VR:VARIABLE RESISTOR, WW:WIRE WOULD, FR:FUSE RESISTOR, MG:METAL GLAZED

SEMICONDUCTOR···TR:TRANSISTOR, DI:DIODE, ZD:ZENER DIODE, VA:VARISTOR, TH:THERMISTOR, IC:IC

SYMBOL NO.	PARTS NO.	DESCRIPTION
		CAPACITORS
C0102	0276269	PF 0.1MF ±10% 50V
C0103	02441055	CD 2200PF ±10% 50V
C0104	02486725	CD 33PF ±5% 50V
C0105	02486725	CD 33PF ±5% 50V
C0106	0252975	EL 2.2MF 50V
C0107	0276263	PF 0.01MF 50V
C0108	0252911	EL 220MF 6.3V
C0109	02486925	CC 220PF ±5% 50V
C0110	02486925	CC 220PF ±5% 50V
C0111	02486925	CC 220PF ±5% 50V
C0112	02486925	CC 220PF ±5% 50V
C0113	02486925	CC 220PF ±5% 50V
C0114	02486925	CC 220PF ±5% 50V
C0115	02486925	CC 220PF ±5% 50V
C0116	02486925	CC 220PF ±5% 50V
C0117	0276263	PF 0.01MF 50V
C0118	0252911	EL 220MF 6.3V
C0119	02464505	CD 27PF ±5% 50V
C0120	02486685	CD 22PF ±5% 50V
C0121	02486925	CC 220PF ±5% 50V
C0122	02486685	CD 22PF ±5% 50V
C0123	02486925	CC 220PF ±5% 50V
C0125	02441031	CD 1500PF ±10% 50V
C0126	02529465	EL 100MF 16V
C0127	02464205	CD 10PF ±0.5% 50V
C0128	02464485	CD 22PF ±5% 50V
C0131	0252979	EL 22MF 50V
C0132	02441395	CD 1000PF ±10% 50V
C0133	02529465	EL 100MF 16V
C0134	0252947	EL 220MF 16V
C0135	0276267	PF 0.047MF 50V
C0136	0276271	PF 0.22MF 50V ±10%
C0139	0276269	PF 0.1MF ±10% 50V
C0141	02464205	CD 10PF ±0.5% 50V
C0142	02464485	CD 22PF ±5% 50V
C0143	02486705	CD 27PF ±5% 50V
C0144	0276263	PF 0.01MF 50V
C0145	02529435	EL 22MF 16V
C0149	0252960	EL 10MF 25V
C0150	0276257	PF 1000PF 50V
C0153	0252960	EL 10MF 25V
C0154	0252974	EL 1MF 50V
C0155	0252974	EL 1MF 50V
C0156	0252974	EL 1MF 50V
C0157	0252977	EL 4.7MF 50V
C0158	0252977	EL 4.7MF 50V
C0159	0252977	EL 4.7MF 50V
C0160	0252977	EL 4.7MF 50V
C0162	0252947	EL 220MF 16V
C0163	02464505	CD 27PF ±5% 50V
C0167	0244230	CD 220PF ±10% 50V
C0170	02486925	CC 220PF ±5% 50V
C0172	02441175	CD 680PF ±10% 50V
C0173	02441095	CD 4700PF ±10% 50V
C0174	02441395	CD 1000PF ±10% 50V
C0175	0276263	PF 0.01MF 50V
C0176	0252911	EL 220MF 6.3V
C0177	02441395	CD 1000PF ±10% 50V
C0401	02530825	EL 1MF 50V
C0402	02530495	EL 47MF 16V
C0403	02530665	EL 10MF 25V
C0404	02530655	EL 4.7MF 25V
C0405	02530825	EL 1MF 50V
C0406	02530665	EL 10MF 25V
C0407	0299007	PP 1800PF ±2% 100V
C0408	02530655	EL 4.7MF 25V
C0409	02770195	PF 0.033MF ±10% 50V
C0410	02530665	EL 10MF 25V
C0411	02530665	EL 10MF 25V
C0412	02441095	CD 4700PF ±10% 50V
C0413	02530825	EL 1MF 50V
C0414	02530825	EL 1MF 50V
C0415	02770135	PF 0.01MF ±10% 50V
C0416	02530665	EL 10MF 25V
C0417	02747675	PF 0.022MF ±10% 50V
C0418	02530825	EL 1MF 50V
C0419	02530665	EL 10MF 25V
C0420	02441395	CD 1000PF ±10% 50V
C0421	02486965	CD 330PF ±5% 50V
C0422	02530665	EL 10MF 25V
C0423	02530665	EL 10MF 25V
C0424	02768355	PF 0.1MF ±5% 50V

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SYMBOL NO.	PARTS NO.	DESCRIPTION	SYMBOL NO.	PARTS NO.	DESCRIPTION
C0425	02530825	EL 1MF 50V	C2104	02529425	EL 10MF 16V
C0426	02747675	PF 0.022MF ±10% 50V	C2105	0252978	EL 10MF 50V
C0427	0259807	EL 10MF 16V	C2106	0252978	EL 10MF 50V
C0428	02746555	PF 2200PF ±5% 50V	C2107	02529425	EL 10MF 16V
C0429	02530665	EL 10MF 25V	C2108	02529425	EL 10MF 16V
C0430	02530511	EL 220MF 16V	C2109	02529425	EL 10MF 16V
C0431	02530845	EL 3.3MF 50V	C2110	02524171	EL 1MF 50V
C0432	02530825	EL 1MF 50V	C2111	0244230	CD 220PF ±10% 50V
C0433	02530665	EL 10MF 25V	C2112	0252973	EL 0.47MF 50V
C0434	02530835	EL 2.2MF 50V	C2113	0252978	EL 10MF 50V
C0435	02530665	EL 10MF 25V	C2114	02523961	EL 10MF 16V
C0436	02530505	EL 100MF 16V	C2115	0252927	EL 47MF 10V
C101	02529465	EL 100MF 16V	C2116	0252927	EL 47MF 10V
C102	0276269	PF 0.1MF ±10% 50V	C2117	02529425	EL 10MF 16V
C103	0252976	EL 3.3MF 50V	C2118	02441031	CD 1500PF ±10% 50V
C104	0252976	EL 3.3MF 50V	C2119	0252949	EL 470MF 16V
C105	0252976	EL 3.3MF 50V	C2120	02441185	CD 470PF ±10% 50V
C106	0252976	EL 3.3MF 50V	C2121	02441205	CD 820PF ±10% 50V
C107	0276263	PF 0.01MF 50V	C2122	0252978	EL 10MF 50V
C1381	0252982	EL 100MF 50V	C2123	02529425	EL 10MF 16V
C1382	0252978	EL 10MF 50V	C2124	02750111	PF 0.01MF ±10% 50V
C1384	0252983	EL 220MF 50V	C2125	0252418	EL 2.2MF 50V
C1387	0252965	EL 220MF 25V	C2126	02740121	PF 1500PF 50V
C151	0252928	EL 100MF 10V	C2127	0252974	EL 1MF 50V
C152	02441055	CD 2200PF ±10% 50V	C2129	02529425	EL 10MF 16V
C153	0276263	PF 0.01MF 50V	C2130	02524171	EL 1MF 50V
C154	02529425	EL 10MF 16V	C2131	02529425	EL 10MF 16V
C156	02529455	EL 47MF 16V	C2132	02441031	CD 1500PF ±10% 50V
C1701	02768235	PF 0.01MF ±5% 50V	C2133	0276269	PF 0.1MF ±10% 50V
C1702	02528675	EL 2.2MF ±20% 50V	C2134	02529425	EL 10MF 16V
C1703	02441175	CD 680PF ±10% 50V	C2135	02529425	EL 10MF 16V
C1704	02746711	PF 0.047MF 50V	C2136	02529425	EL 10MF 16V
C1705	02746711	PF 0.047MF 50V	C2137	02529465	EL 100MF 16V
C1706	0276222	PF 2700PF ±5% 50V	C2138	02529425	EL 10MF 16V
C1707	02526801	EL 10MF 16V	C2139	02529465	EL 100MF 16V
C1708	0252683	EL 47MF ±20% 16V	C2140	0276271	PF 0.22MF 50V ±10%
C1709	02768295	PF 0.033MF ±5% 50V	C2141	02523961	EL 10MF 16V
C1710	02522741	EL 100MF 6.3V	C2142	0276271	PF 0.22MF 50V ±10%
C2001	02441185	CD 470PF ±10% 50V	C2143	02529465	EL 100MF 16V
C2002	02441395	CD 1000PF ±10% 50V	C2144	02529455	EL 47MF 16V
C2003	02486765	CD 47PF ±5% 50V	C2145	02441415	CD 0.01MF ±10% 50V
C2004	02530895	EL 47MF 50V	C2146	02441415	CD 0.01MF ±10% 50V
C2005	02530475	EL 22MF 16V	C2147	02529455	EL 47MF 16V
C2006	02530505	EL 100MF 16V	C2148	02529425	EL 10MF 16V
C2007	02768295	PF 0.033MF ±5% 50V	C2149	02529425	EL 10MF 16V
C2008	02486925	CC 220PF ±5% 50V	C2150	02529425	EL 10MF 16V
C2009	02530495	EL 47MF 16V	C2151	02529425	EL 10MF 16V
C2010	02441175	CD 680PF ±10% 50V	C2152	02529425	EL 10MF 16V
C2101	02441365	CD 270PF ±10% 50V	C2153	02529425	EL 10MF 16V
C2102	02441185	CD 470PF ±10% 50V	C2155	0252981	EL 47MF 50V
C2103	02529425	EL 10MF 16V	C2156	0252981	EL 47MF 50V

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SYMBOL NO.	PARTS NO.	DESCRIPTION	SYMBOL NO.	PARTS NO.	DESCRIPTION
C2158	0244232	CD 0.047MF +80–20% 50V	C323	02530825	EL 1MF 50V
C2159	02529425	EL 10MF 16V	C324	02530825	EL 1MF 50V
C2160	02750111	PF 0.01MF ±10% 50V	C328	02486985	CD 560PF ±5% 50V
C2161	02750111	PF 0.01MF ±10% 50V	C330	02441031	CD 1500PF ±10% 50V
C2162	0299029	PP 0.015MF ±2% 100V	C331	02529465	EL 100MF 16V
C2163	0252942	EL 10MF 16V	C335	02441135	CD 330PF ±10% 50V
C2164	02740121	PF 1500PF 50V	C338	02486985	CD 560PF ±5% 50V
C2166	02750151	PF 0.047MF ±10% 50V	C340	02441395	CD 1000PF ±10% 50V
C2167	02523961	EL 10MF 16V	⚠C401	02445095	CD 4700PF ±10% 500V
C2170	02523961	EL 10MF 16V	C4010S	02530665	EL 10MF 25V
C2171	0252974	EL 1MF 50V	C4011S	02530665	EL 10MF 25V
C2172	0252981	EL 47MF 50V	C4012S	02528065	EL 0.22MF 50V
C2173	02529425	EL 10MF 16V	C4013S	02530825	EL 1MF 50V
C3001	0252960	EL 10MF 25V	C4014S	02528065	EL 0.22MF 50V
C3002	0252960	EL 10MF 25V	C4015S	02530825	EL 1MF 50V
C3003	0252949	EL 470MF 16V	C4016S	02530511	EL 220MF 16V
C3004	0252960	EL 10MF 25V	C4017S	02530825	EL 1MF 50V
C3005	0276263	PF 0.01MF 50V	C4018S	02530825	EL 1MF 50V
C3006	0252960	EL 10MF 25V	⚠C402	02445095	CD 4700PF ±10% 500V
C3007	0252960	EL 10MF 25V	C4020	02530665	EL 10MF 25V
C3008	0276263	PF 0.01MF 50V	C4021	02530545	EL 1000MF 16V
C3009	0252960	EL 10MF 25V	C4022	02530665	EL 10MF 25V
C301	02464205	CD 10PF ±0.5% 50V	C4023	02530665	EL 10MF 25V
C3010	0252960	EL 10MF 25V	C4025	02770135	PF 0.01MF ±10% 50V
C3011	02529465	EL 100MF 16V	C4027	02530665	EL 10MF 25V
C3014	0252947	EL 220MF 16V	C4028	02530665	EL 10MF 25V
C3015	02529465	EL 100MF 16V	C4029	02530665	EL 10MF 25V
C3016	02529465	EL 100MF 16V	⚠C403	02445095	CD 4700PF ±10% 500V
C3017	02486885	CD 150PF ±5% 50V	C4030	02530495	EL 47MF 16V
C3018	0252960	EL 10MF 25V	⚠C404	02445095	CD 4700PF ±10% 500V
C3019	02464525	CD 33PF ±5% 50V	C405	02530855	EL 4.7MF 50V
C302	02464205	CD 10PF ±0.5% 50V	C4053	02530655	EL 4.7MF 25V
C3020	0276263	PF 0.01MF 50V	C4054	02530655	EL 4.7MF 25V
C3021	0252974	EL 1MF 50V	C4055	02747755	PF 0.1MF ±10% 50V
C3022	02529465	EL 100MF 16V	C4056	02530655	EL 4.7MF 25V
C3023	02529465	EL 100MF 16V	C4057	02530655	EL 4.7MF 25V
C3024	0252960	EL 10MF 25V	C4058	02530495	EL 47MF 16V
C3025	02529465	EL 100MF 16V	C4059	02530825	EL 1MF 50V
C3027	0276263	PF 0.01MF 50V	C406	02530855	EL 4.7MF 50V
C303	02530665	EL 10MF 25V	C4060	02530825	EL 1MF 50V
C304	0252959	EL 4.7MF 25V	C4061	02530545	EL 1000MF 16V
C305	02530665	EL 10MF 25V	C4062	02530665	EL 10MF 25V
C306	02530665	EL 10MF 25V	C407	02441115	CD 6800PF ±10% 50V
C307	02530825	EL 1MF 50V	C408	02441115	CD 6800PF ±10% 50V
C308	02530665	EL 10MF 25V	C409	02530705	EL 100MF DC25V
C309	02530535	EL 470MF 16V	C410	02530705	EL 100MF DC25V
C310	02770135	PF 0.01MF ±10% 50V	C4101	0252974	EL 1MF 50V
C319	0252962	EL 33MF 25V	C4102	0252974	EL 1MF 50V
C320	02770135	PF 0.01MF ±10% 50V	C4103	0252974	EL 1MF 50V
C321	02770135	PF 0.01MF ±10% 50V	C4104	0252974	EL 1MF 50V
C322	02530825	EL 1MF 50V	C4105	0252974	EL 1MF 50V

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SYMBOL NO.	PARTS NO.	DESCRIPTION	SYMBOL NO.	PARTS NO.	DESCRIPTION
C4106	0252974	EL 1MF 50V	C602	0252963	EL 47MF 25V
C411	02530945	EL 1000MF 50V	C603	02441395	CD 1000PF ±10% 50V
C4111	0252974	EL 1MF 50V	C604	02770115	PF 6800PF ±10% 50V
C4112	0252974	EL 1MF 50V	C605	0252969	EL 2200MF 25V
C412	02530945	EL 1000MF 50V	C605S	02441395	CD 1000PF ±10% 50V
C413	02798595	PF 0.1MF ±10% 100V	C606	02530845	EL 3.3MF 50V
C414	02798595	PF 0.1MF ±10% 100V	C606S	02747715	PF 0.047MF ±10% 50V
C418	02530505	EL 100MF 16V	C607	02530815	EL 0.47MF DC50V
C419	02530705	EL 100MF DC25V	C607S	02441395	CD 1000PF ±10% 50V
C420	0257048	EL 2.2MF 25V	⚠C609	02530925	EL 330MF 50V
C4204	02486845	CD 100PF ±5% 50V	C610	0277023	PF 0.068MF ±10% 50V
C4205	02486845	CD 100PF ±5% 50V	C611	02441155	CD 560PF ±10% 50V
C4207	02486845	CD 100PF ±5% 50V	C612	02530865	EL 10MF 50V
C4208	02486845	CD 100PF ±5% 50V	C614	0299131	PP 0.33MF ±10% 100V
C421	0257048	EL 2.2MF 25V	C620	0274773	PF 0.068MF 50V ±10%
C4210	02486845	CD 100PF ±5% 50V	C621	02770175	PF 0.022MF ±10% 50V
C4211	02486845	CD 100PF ±5% 50V	C623	02530465	EL 10MF 16V
C422	0257048	EL 2.2MF 25V	C625	0252981	EL 47MF 50V
C423	0257048	EL 2.2MF 25V	⚠C626	0292716F	TA 1MF ±10% 20V
C424	02530855	EL 4.7MF 50V	C627	02441415	CD 0.01MF ±10% 50V
C425	02445411	CD 0.01MF ±10% 500V	C628	02770135	PF 0.01MF ±10% 50V
C426	0258615	EL 3300MF 50V	C631	02770295	PF 0.22MF ±10% 50V
C427	02530825	EL IMF 50V	C632	02770295	PF 0.22MF ±10% 50V
C428	02768395	PF 0.22MF ±5% 50V	C633	02770295	PF 0.22MF ±10% 50V
C501	02486875	CD 130PF ±5% 50V	C661	02768395	PF 0.22MF ±5% 50V
C502	02486805	CD 68PF ±5% 50V	⚠C701	0252986	EL 1000MF 50V
C503	02486845	CD 100PF ±5% 50V	C701S	0252974	EL 1MF 50V
C504	02770135	PF 0.01MF ±10% 50V	⚠C702	0252986	EL 1000MF 50V
C505	02486965	CD 330PF ±5% 50V	C702S	02441395	CD 1000PF ±10% 50V
C508	02530835	EL 2.2MF 50V	C703	02529465	EL 100MF 16V
C509	02530655	EL 4.7MF 25V	C704	02999261	PP 0.1MF ±10% 200V
C511	02530825	EL 1MF 50V	C704S	0252976	EL 3.3MF 50V
C512	02770135	PF 0.01MF ±10% 50V	⚠C705	0299970	PP CON 1200PF 630V
C513	02770255	PF 0.1MF ±10% 50V	C705S	02770195	PF 0.033MF ±10% 50V
C514	02464485	CD 22PF ±5% 50V	C706	0244511	CD 6800PF ±10% 500V
C515	02747655	PF 0.015MF ±10% 50V	C706S	02747715	PF 0.047MF ±10% 50V
C516	02530835	EL 2.2MF 50V	C707	0244209	CD 680PF ±10% 1600V
C517	02530835	EL 2.2MF 50V	C707S	02770175	PF 0.022MF ±10% 50V
C518	02530535	EL 470MF 16V	C708	02442155	CD 2200PF ±10% 2KV
C519	02770255	PF 0.1MF ±10% 50V	C708S	02441185	CD 470PF ±10% 50V
C520	02530825	EL 1MF 50V	C709	02441395	CD 1000PF ±10% 50V
C521	02530825	EL 1MF 50V	C710	02770295	PF 0.22MF ±10% 50V
C523	02441185	CD 470PF ±10% 50V	C710S	02529425	EL 10MF 16V
C524	02441185	CD 470PF ±10% 50V	C711	02445095	CD 4700PF ±10% 500V
C525	02441185	CD 470PF ±10% 50V	C711S	02529455	EL 47MF 16V
C526	02770135	PF 0.01MF ±10% 50V	C712	0259992	EL 330MF 200V
C527	02529455	EL 47MF 16V	C712S	02441095	CD 4700PF ±10% 50V
C528	02530665	EL 10MF 25V	C713S	02529465	EL 100MF 16V
C529	02529425	EL 10MF 16V	⚠C714	02999951	PP 0.027MF ±5% 630V
C530	02530505	EL 100MF 16V	⚠C715	0299994	PP 0.022MF ±5% 630V
C601	0244111	CD 6800PF ±10% 50V	C716	02435071	CD 330PF ±10% 500V

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SYMBOL NO.	PARTS NO.	DESCRIPTION	SYMBOL NO.	PARTS NO.	DESCRIPTION
C717	02750121	PF 0.015MF ±10% 50V	C854B	02530505	EL 100MF 16V
C718	02530495	EL 47MF 16V	C854G	02530505	EL 100MF 16V
C719	02441205	CD 820PF ±10% 50V	C854R	02530505	EL 100MF 16V
⚠C721	02999341	PP 0.47MF ±10% 200V	C856B	0253480	EL 4.7MF 350V
C721S	02486995	CD 390PF ±5% 50V	C856G	0253480	EL 4.7MF 350V
⚠C723	02999951	PP 0.027MF ±5% 630V	C856R	0253480	EL 4.7MF 350V
C724	0253483	EL 33MF 350V	C857B	0243425	CK 100PF 1.5KV
C725	0299636	PP 0.068MF 1600V	C857G	0243425	CK 100PF 1.5KV
C726	0253922	EL 330MF 100V	C857R	0243425	CK 100PF 1.5KV
C727	0252960	EL 10MF 25V	C861G	02770175	PF 0.022MF ±10% 50V
C729	02530735	EL 470MF 25V	C861R	02770175	PF 0.022MF ±10% 50V
C730	0252949	EL 470MF 16V	⚠C901	0249389	CD 220PF ±10%
C731	0253167	EL 2.2MF 31.5V	⚠C902	0249391	CD 1000PF 400V
C732	0274675	PF 0.1MF ±5% 50V	⚠C903	0249391	CD 1000PF 400V
C733	0244232	CD 0.047MF +80−20% 50V	C904	0258671	EL 220MF 200V
C734	02441205	CD 820PF ±10% 50V	⚠C904S	02491455	CD 4700PF ±10% 125V
C735	02768155	PF 2200PF ±5% 50V	⚠C905	02491455	CD 4700PF ±10% 125V
C736	02435071	CD 330PF ±10% 500V	⚠C906	02491455	CD 4700PF ±10% 125V
C737	0244227	CD 100PF ±10% 50V	C908	0253465	EL 33MF 160V
C738	02530495	EL 47MF 16V	⚠C908S	02491455	CD 4700PF ±10% 125V
C739	02530705	EL 100MF DC25V	C909	02599771	EL 820MF 200V
C740	0253916	EL 10MF 100V	C910	02599771	EL 820MF 200V
C741	02530865	EL 10MF 50V	C911	0253467	EL 100MF 200V
C742	02445015	CD 1000PF ±10% 500V	C912	0252928	EL 100MF 10V
C743	02530495	EL 47MF 16V	C913	0252928	EL 100MF 10V
C746	0244202	CD 470PF ±10% 2KV	C914	0253461	EL 3.3MF 200V
C747	02530505	EL 100MF 16V	C915	02529425	EL 10MF 16V
C748	02441055	CD 2200PF ±10% 50V	C916	0252928	EL 100MF 10V
C751	0276271	PF 0.22MF 50V ±10%	C917	0253461	EL 3.3MF 200V
C752	02445015	CD 1000PF ±10% 500V	C918	02529425	EL 10MF 16V
C753	02445015	CD 1000PF ±10% 500V	C951	02530735	EL 470MF 25V
C754	0299636	PP 0.068MF 1600V	⚠C952	02530535	EL 470MF 16V
C755	02445055	CD 2200PF ±10% 50V	⚠C953	02530505	EL 100MF 16V
⚠C756	0249388	CD 100PF ±10%	C960	02530915	EL 220MF 50V
C757	02750111	PF 0.01MF ±10% 50V	C961	02441715	CD 0.01MF +80−20% 50V
C758	02441115	CD 6800PF ±10% 50V	C962	0249392	CD 2200PF ±10% AC400V
C759	02435071	CD 330PF ±10% 500V	⚠C963	0249391	CD 1000PF 400V
C760	02435071	CD 330PF ±10% 500V	⚠C964	0249392	CD 2200PF ±10% AC400V
C760H	0274760	PF 5600PF ±10% 50V	⚠C991	02797185	PF 0.1MF ±10% 125V
C761	02768315	PF 0.047MF ±10% 50V	C992	02797185	PF 0.1MF ±10% 125V
C762	02445015	CD 1000PF ±10% 500V			
C762H	02441095	CD 4700PF ±10% 50V			
C763	02445055	CD 2200PF ±10% 50V			
C763H	02530505	EL 100MF 16V			
C764	02770255	PF 0.1MF ±10% 50V			
C852B	02441395	CD 1000PF ±10% 50V			
C852G	02441395	CD 1000PF ±10% 50V			
C852R	02441395	CD 1000PF ±10% 50V			
C853B	02441395	CD 1000PF ±10% 50V			
C853G	02441395	CD 1000PF ±10% 50V			
C853R	02441185	CD 470PF ±10% 50V			

RESISTORS

R0101	01000655	CF 1K OHM ±5% 1/8W
R0102	01000655	CF 1K OHM ±5% 1/8W
R0105	01870735	CF 2.2K OHM ±5% 1/16W
R0106	01870735	CF 2.2K OHM ±5% 1/16W
R0111	01870995	CF 27K OHM ±5% 1/16W

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SYMBOL NO.	PARTS NO.	DESCRIPTION	SYMBOL NO.	PARTS NO.	DESCRIPTION
R0112	01870995	CF 27K OHM ±5% 1/16W	R0188	01870895	CF 10K OHM ±5% 1/16W
R0113	01870995	CF 27K OHM ±5% 1/16W	R0190	01870835	CF 5.6K OHM ±5% 1/16W
R0114	01870995	CF 27K OHM ±5% 1/16W	R0191	01870835	CF 5.6K OHM ±5% 1/16W
R0115	01870995	CF 27K OHM ±5% 1/16W	R0192	01870655	CF 1K OHM ±5% 1/16W
R0116	01000655	CF 1K OHM ±5% 1/8W	R0193	01870855	CF 6.8K OHM ±5% 1/16W
R0117	01000655	CF 1K OHM ±5% 1/8W	R0194	01871135	CF 100K OHM ±5% 1/16W
R0118	01000655	CF 1K OHM ±5% 1/8W	R0198	01000655	CF 1K OHM ±5% 1/8W
R0119	01000655	CF 1K OHM ±5% 1/8W	R0199	01870815	CF 4.7K OHM ±5% 1/16W
R0120	01000655	CF 1K OHM ±5% 1/8W	R0201	01870875	CF 8.2K OHM ±5% 1/16W
R0121	01000655	CF 1K OHM ±5% 1/8W	R0202	01870795	CF 3.9K OHM ±5% 1/16W
R0122	01000655	CF 1K OHM ±5% 1/8W	R0203	01000855	CF 6.8K OHM ±5% 1/8W
R0124	01000655	CF 1K OHM ±5% 1/8W	R0204	01870915	CF 12K OHM ±5% 1/16W
R0129	01871075	CF 56K OHM ±5% 1/16W	R0205	01870915	CF 12K OHM ±5% 1/16W
R0130	01871075	CF 56K OHM ±5% 1/16W	R0206	01001155	CF 120K OHM ±5% 1/8W
R0131	01870975	CF 22K OHM ±5% 1/16W	R0207	01870975	CF 22K OHM ±5% 1/16W
R0132	01870835	CF 5.6K OHM ±5% 1/16W	R0208	01871095	CF 68K OHM ±5% 1/16W
R0133	01870835	CF 5.6K OHM ±5% 1/16W	R0209	01000895	CF 10K OHM ±5% 1/8W
R0134	01871075	CF 56K OHM ±5% 1/16W	R0210	01870835	CF 5.6K OHM ±5% 1/16W
R0135	01870895	CF 10K OHM ±5% 1/16W	R0211	01870915	CF 12K OHM ±5% 1/16W
R0136	01000895	CF 10K OHM ±5% 1/8W	R0212	01001135	CF 100K OHM ±5% 1/8W
R0137	01870655	CF 1K OHM ±5% 1/16W	R0213	01870835	CF 5.6K OHM ±5% 1/16W
R0138	01001055	CF 47K OHM ±5% 1/8W	R0214	01870735	CF 2.2K OHM ±5% 1/16W
R0139	01870895	CF 10K OHM ±5% 1/16W	R0215	01000735	CF 2.2K OHM ±5% 1/8W
R0140	0110241	MF 680 OHM ±5% 2W	R0216	01870975	CF 22K OHM ±5% 1/16W
R0141	01870895	CF 10K OHM ±5% 1/16W	R0217	01870975	CF 22K OHM ±5% 1/16W
R0142	01870895	CF 10K OHM ±5% 1/16W	R0218	01000735	CF 2.2K OHM ±5% 1/8W
R0147	01000595	CF 560 OHM ±5% 1/8W	R0219	01870975	CF 22K OHM ±5% 1/16W
R0148	01000795	CF 3.9K OHM ±5% 1/8W	R0220	01870975	CF 22K OHM ±5% 1/16W
R0149	01870975	CF 22K OHM ±5% 1/16W	R0221	01000735	CF 2.2K OHM ±5% 1/8W
R0150	01870855	CF 6.8K OHM ±5% 1/16W	R0222	01870975	CF 22K OHM ±5% 1/16W
R0151	01870975	CF 22K OHM ±5% 1/16W	R0223	01870975	CF 22K OHM ±5% 1/16W
R0152	01870895	CF 10K OHM ±5% 1/16W	R0224	01000735	CF 2.2K OHM ±5% 1/8W
R0157	01000355	CF 56 OHM ±5% 1/8W	R0225	01870895	CF 10K OHM ±5% 1/16W
R0158	01000355	CF 56 OHM ±5% 1/8W	R0226	01870895	CF 10K OHM ±5% 1/16W
R0159	01870495	CF 220 OHM ±5% 1/16W	R0227	01870815	CF 4.7K OHM ±5% 1/16W
R0160	01000415	CF 100 OHM ±5% 1/8W	R0235	01000655	CF 1K OHM ±5% 1/8W
R0161	01870895	CF 10K OHM ±5% 1/16W	R0236	01000655	CF 1K OHM ±5% 1/8W
R0162	01870815	CF 4.7K OHM ±5% 1/16W	R0240	01000895	CF 10K OHM ±5% 1/8W
R0163	01871075	CF 56K OHM ±5% 1/16W	R0247	01001135	CF 100K OHM ±5% 1/8W
R0164	01870855	CF 6.8K OHM ±5% 1/16W	R0253	01000655	CF 1K OHM ±5% 1/8W
R0165	01870935	CF 15K OHM ±5% 1/16W	R0254	01000555	CF 390 OHM ±5% 1/8W
R0166	01870775	CF 3.3K OHM ±5% 1/16W	R0256	01000555	CF 390 OHM ±5% 1/8W
R0167	01870775	CF 3.3K OHM ±5% 1/16W	R0258	01000555	CF 390 OHM ±5% 1/8W
R0168	01870655	CF 1K OHM ±5% 1/16W	R0259	01870655	CF 1K OHM ±5% 1/16W
R0169	01870995	CF 27K OHM ±5% 1/16W	R0260	01870655	CF 1K OHM ±5% 1/16W
R0177	01871135	CF 100K OHM ±5% 1/16W	R0262	01000655	CF 1K OHM ±5% 1/8W
R0178	01871095	CF 68K OHM ±5% 1/16W	R0263	01000655	CF 1K OHM ±5% 1/8W
R0179	01871075	CF 56K OHM ±5% 1/16W	R0264	01870655	CF 1K OHM ±5% 1/16W
R0183	01870695	CF 1.5K OHM ±5% 1/16W	R0265	01870655	CF 1K OHM ±5% 1/16W
R0184	01870495	CF 220 OHM ±5% 1/16W	R0401	01870895	CF 10K OHM ±5% 1/16W
R0187	01870895	CF 10K OHM ±5% 1/16W	R0402	01870815	CF 4.7K OHM ±5% 1/16W

CT5582K

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SYMBOL NO.	PARTS NO.	DESCRIPTION	SYMBOL NO.	PARTS NO.	DESCRIPTION
R0403	01870935	CF 15K OHM ±5% 1/16W	R1309	01137425	CF 470 OHM ±5% 1/2W
R0404	01870895	CF 10K OHM ±5% 1/16W	R1310	0110103	MF 18 OHM ±5% 1W
R0405	01000655	CF 1K OHM ±5% 1/8W	R1311	01000895	CF 10K OHM ±5% 1/8W
R0406	01870975	CF 22K OHM ±5% 1/16W	R1312	01000895	CF 10K OHM ±5% 1/8W
R0407	01500385	VR 10K OHM-B RS-8	R1313	01141635	CF 1.2K OHM ±5% 1/4W
R0408	01870595	CF 560 OHM ±5% 1/16W	R1314	01141635	CF 1.2K OHM ±5% 1/4W
R0409	01870775	CF 3.3K OHM ±5% 1/16W	R1315	01000875	CF 8.2K OHM ±5% 1/8W
R0410	0150024	VR 10K OHM-B R-08	R1316	01141335	CF 120 OHM ±5% 1/4W
R0411	01870875	CF 8.2K OHM ±5% 1/16W	R1317	01137605	CF 2.7K OHM ±5% 1/2W
R0412	0150031	VR 500K OHM-B	R1318	0113684	CF 2.2 OHM ±5% 1/2W
R0413	01870741	CF 2.4K OHM ±5% 1/16W	R1319	0113684	CF 2.2 OHM ±5% 1/2W
R0414	01500385	VR 10K OHM-B RS-8	R1320	01137425	CF 470 OHM ±5% 1/2W
R0417	0119653	FR 85K OHM 1/8W	R1321	0110101	MF 15 OHM ±5% 1W
R0418	0119653	FR 85K OHM 1/8W	R1322	01000895	CF 10K OHM ±5% 1/8W
R0419	0150029	VR 0.315W 200K	R1323	01000895	CF 10K OHM ±5% 1/8W
R0420	0150029	VR 0.315W 200K	R1324	01141635	CF 1.2K OHM ±5% 1/4W
R0421	01871135	CF 100K OHM ±5% 1/16W	R1325	01141635	CF 1.2K OHM ±5% 1/4W
R0422	01500415	VR 100K OHM-B RS-8	R1326	01000875	CF 8.2K OHM ±5% 1/8W
R0423	01870895	CF 10K OHM ±5% 1/16W	R1327	01141335	CF 120 OHM ±5% 1/4W
R0424	01870895	CF 10K OHM ±5% 1/16W	R1328	01137605	CF 2.7K OHM ±5% 1/2W
R0425	01870815	CF 4.7K OHM ±5% 1/16W	R1329	01136845	CF 2.2 OHM ±5% 1/2W
R0426	01001215	CF 220K OHM ±5% 1/8W	R1330	01136845	CF 2.2 OHM ±5% 1/2W
R0427	01870515	CF 270 OHM ±5% 1/16W	R1331	01137425	CF 470 OHM ±5% 1/2W
R0428	01871015	CF 33K OHM ±5% 1/16W	R1332	01101035	MF 18 OHM ±5% 1W
R0429	01870815	CF 4.7K OHM ±5% 1/16W	R1333	01000895	CF 10K OHM ±5% 1/8W
R0430	01870795	CF 3.9K OHM ±5% 1/16W	R1334	01000895	CF 10K OHM ±5% 1/8W
R0431	01870615	CF 680 OHM ±5% 1/16W	R1335	01141635	CF 1.2K OHM ±5% 1/4W
R0432	01871075	CF 56K OHM ±5% 1/16W	R1336	01141635	CF 1.2K OHM ±5% 1/4W
R0433	01870915	CF 12K OHM ±5% 1/16W	R1337	01000875	CF 8.2K OHM ±5% 1/8W
R0434	01870855	CF 6.8K OHM ±5% 1/16W	R1338	01141335	CF 120 OHM ±5% 1/4W
R0436	01870521	CF 300 OHM ±5% 1/16W	R1339	01137605	CF 2.7 OHM ±5% 1/2W
R0437	01500375	VR 5K OHM-B RS-8	R1340	01136845	CF 2.2 OHM ±5% 1/2W
R0438	01870865	CF 7.5K OHM ±5% 1/16W	R1341	01136845	CF 2.2 OHM ±5% 1/2W
R0439	01870855	CF 6.8K OHM ±5% 1/16W	R1342	01137425	CF 470 OHM ±5% 1/2W
R0440	0187054	CF 360 OHM ±5% 1/16W	R1343	0110101	MF 15 OHM ±5% 1W
R0441	01871015	CF 33K OHM ±5% 1/16W	R1344	01000895	CF 10K OHM ±5% 1/8W
R0442	01870675	CF 1.2K OHM ±5% 1/16W	R1345	01000895	CF 10K OHM ±5% 1/8W
R0443	0179619	MG 560K OHM ±1% 1/8W	R1346	01141635	CF 1.2K OHM ±5% 1/4W
R0445	01870975	CF 22K OHM ±5% 1/16W	R1347	01141635	CF 1.2K OHM ±5% 1/4W
R0446	01870715	CF 1.8K OHM ±5% 1/16W	R1348	01000875	CF 8.2K OHM ±5% 1/8W
R0447	01141475	CF 470 OHM ±5% 1/4W	R1349	01141335	CF 120 OHM ±5% 1/4W
R0452	01870815	CF 4.7K OHM ±5% 1/16W	R1350	01137605	CF 2.7K OHM ±5% 1/2W
R0453	01000415	CF 100 OHM ±5% 1/8W	R1351	01136845	CF 2.2 OHM ±5% 1/2W
R1301	01000895	CF 10K OHM ±5% 1/8W	R1352	01136845	CF 2.2 OHM ±5% 1/2W
R1302	01141635	CF 1.2K OHM ±5% 1/4W	R1353	01137425	CF 470 OHM ±5% 1/2W
R1303	01141635	CF 1.2K OHM ±5% 1/4W	R1354	0110103	MF 18 OHM ±5% 1W
R1304	01000875	CF 8.2K OHM ±5% 1/8W	R1355	01000895	CF 10K OHM ±5% 1/8W
R1305	01141335	CF 120 OHM ±5% 1/4W	R1356	01000895	CF 10K OHM ±5% 1/8W
R1306	01137605	CF 2.7K OHM ±5% 1/2W	R1357	01141635	CF 1.2K OHM ±5% 1/4W
R1307	01136845	CF 2.2 OHM ±5% 1/2W	R1358	01141635	CF 1.2K OHM ±5% 1/4W
R1308	01136845	CF 2.2 OHM ±5% 1/2W	R1359	01000875	CF 8.2K OHM ±5% 1/8W

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SYMBOL NO.	PARTS NO.	DESCRIPTION	SYMBOL NO.	PARTS NO.	DESCRIPTION
R1360	0114133	CF 120 OHM ±5% 1/4W	R1709	01870815	CF 4.7K OHM ±5% 1/16W
R1361	01137605	CF 2.7K OHM ±5% 1/2W	R1710	01870915	CF 12K OHM ±5% 1/16W
R1362	01136845	CF 2.2 OHM ±5% 1/2W	R1711	01870935	CF 15K OHM ±5% 1/16W
R1363	01136845	CF 2.2 OHM ±5% 1/2W	R1712	01870655	CF 1K OHM ±5% 1/16W
R1364	01137425	CF 470 OHM ±5% 1/2W	R1713	01871055	CF 47K OHM ±5% 1/16W
R1365	0110103	MF 18 OHM ±5% 1W	R1714	01871055	CF 47K OHM ±5% 1/16W
R1366	01000895	CF 10K OHM ±5% 1/8W	R1715	01871055	CF 47K OHM ±5% 1/16W
R1367	0110103	MF 18 OHM ±5% 1W	R1716	01870815	CF 4.7K OHM ±5% 1/16W
R1368	0110101	MF 15 OHM ±5% 1W	R2001	01870975	CF 22K OHM ±5% 1/16W
R1369	0110103	MF 18 OHM ±5% 1W	R2002	01870835	CF 5.6K OHM ±5% 1/16W
R1370	0110101	MF 15 OHM ±5% 1W	R2003	01870735	CF 2.2K OHM ±5% 1/16W
R1371	0110103	MF 18 OHM ±5% 1W	R2004	01870535	CF 330 OHM ±5% 1/16W
R1372	0110103	MF 18 OHM ±5% 1W	R2005	01870835	CF 5.6K OHM ±5% 1/16W
R1373	01871055	CF 47K OHM ±5% 1/16W	R2006	01870575	CF 470 OHM ±5% 1/16W
R1374	01871055	CF 47K OHM ±5% 1/16W	R2007	01870975	CF 22K OHM ±5% 1/16W
R1375	01871055	CF 47K OHM ±5% 1/16W	R2008	01871075	CF 56K OHM ±5% 1/16W
R1376	01871055	CF 47K OHM ±5% 1/16W	R2009	01870655	CF 1K OHM ±5% 1/16W
R1377	01871055	CF 47K OHM ±5% 1/16W	R2010	01870655	CF 1K OHM ±5% 1/16W
R1378	01871055	CF 47K OHM ±5% 1/16W	⚠R2011	01500405	VR 50K OHM-B RS-8
R1379	01871015	CF 33K OHM ±5% 1/16W	R2012	01870895	CF 10K OHM ±5% 1/16W
R1381	0114177	CF 4.7K OHM ±5% 1/4W	R2013	01870835	CF 5.6K OHM ±5% 1/16W
R1382	0114177	CF 4.7K OHM ±5% 1/4W	R2014	01870655	CF 1K OHM ±5% 1/16W
R1383	01141671	CF 1.8K OHM ±5% 1/4W	R2015	01870975	CF 22K OHM ±5% 1/16W
R1384	01141635	CF 1.2K OHM ±5% 1/4W	R2016	01871075	CF 56K OHM ±5% 1/16W
R1385	01141655	CF 1.5K OHM ±5% 1/4W	R2017	01870655	CF 1K OHM ±5% 1/16W
R1386	01103291	MF 220 OHM ±5% 3W	R2018	01870655	CF 1K OHM ±5% 1/16W
R1387	01141691	CF 2.2K OHM ±5% 1/4W	R2019	01870935	CF 15K OHM ±5% 1/16W
R1392	0110336	MF 430 OHM±5% 3W	R2020	01870735	CF 2.2K OHM ±5% 1/16W
R1393	0113761	CF 3K OHM ±5% 1/2W	R2021	01870725	CF 2.0K OHM ±5% 1/16W
R1404	01000655	CF 1K OHM ±5% 1/8W	R2022	01870635	CF 820 OHM ±5% 1/16W
R1405	01000655	CF 1K OHM ±5% 1/8W	R2024	01870895	CF 10K OHM ±5% 1/16W
R1406	01000655	CF 1K OHM ±5% 1/8W	R2025	01870895	CF 10K OHM ±5% 1/16W
R1407	0150621	VR 10-GANGED	R2026	01870835	CF 5.6K OHM ±5% 1/16W
R1408	01870975	CF 22K OHM ±5% 1/16W	R2027	01870975	CF 22K OHM ±5% 1/16W
R1409	01870935	CF 15K OHM ±5% 1/16W	R2028	01870895	CF 10K OHM ±5% 1/16W
R1501	01870895	CF 10K OHM ±5% 1/16W	R2029	01870975	CF 22K OHM ±5% 1/16W
R1502	01870855	CF 6.8K OHM ±5% 1/16W	R2030	01870835	CF 5.6K OHM ±5% 1/16W
R151	01000655	CF 1K OHM ±5% 1/8W	R2031	01870655	CF 1K OHM ±5% 1/16W
R152	01870415	CF 100 OHM ±5% 1/16W	R2032	01871135	CF 100K OHM ±5% 1/16W
R153	01870415	CF 100 OHM ±5% 1/16W	R2033	01870895	CF 10K OHM ±5% 1/16W
R1601	01000655	CF 1K OHM ±5% 1/8W	R2034	01870655	CF 1K OHM ±5% 1/16W
R1602	01000655	CF 1K OHM ±5% 1/8W	R2035	01870855	CF 6.8K OHM ±5% 1/16W
R1603	01000755	CF 2.7K OHM ±5% 1/8W	R2036	01870835	CF 5.6K OHM ±5% 1/16W
R1604	01000755	CF 2.7K OHM ±5% 1/8W	R2037	01870975	CF 22K OHM ±5% 1/16W
R1701	01870755	CF 2.7K OHM ±5% 1/16W	R2038	01870835	CF 5.6K OHM ±5% 1/16W
R1702	01871135	CF 100K OHM ±5% 1/16W	R2039	01870955	CF 18K OHM ±5% 1/16W
R1703	01870495	CF 220 OHM ±5% 1/16W	R2040	01871015	CF 33K OHM ±5% 1/16W
R1704	01500375	VR 5K OHM-B RS-8	R2041	01870835	CF 5.6K OHM ±5% 1/16W
R1706	01870615	CF 680 OHM ±5% 1/16W	R2042	01870695	CF 1.5K OHM ±5% 1/16W
R1707	01000535	CF 330 OHM ±5% 1/8W	R2043	01141315	CF 100 OHM ±5% 1/4W
R1708	01000455	CF 150 OHM ±5% 1/8W	R2044	01870895	CF 10K OHM ±5% 1/16W

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SYMBOL NO.	PARTS NO.	DESCRIPTION	SYMBOL NO.	PARTS NO.	DESCRIPTION
R2057	01870655	CF 1K OHM ±5% 1/16W	R2159	01870895	CF 10K OHM ±5% 1/16W
R2101	01500671	VR 5K OHM-B RS-8	R2160	01870855	CF 6.8K OHM ±5% 1/16W
R2102	01500671	VR 5K OHM-B RS-8	R2161	0100127	CF 390K OHM ±5% 1/8W
R2103	01500671	VR 5K OHM-B RS-8	R2162	01870805	CF 4.3K OHM ±5% 1/16W
R2104	01500671	VR 5K OHM-B RS-8	R2163	01871135	CF 100K OHM ±5% 1/16W
R2105	01500671	VR 5K OHM-B RS-8	R2164	01141671	CF 1.8K OHM ±5% 1/4W
R2106	01500671	VR 5K OHM-B RS-8	R2165	01141835	CF 8.2K OHM ±5% 1/4W
R2107	01500671	VR 5K OHM-B RS-8	R2166	01870855	CF 6.8K OHM ±5% 1/16W
R2108	01500671	VR 5K OHM-B RS-8	R2167	01870895	CF 10K OHM ±5% 1/16W
R2109	01500671	VR 5K OHM-B RS-8	R2168	01870915	CF 12K OHM ±5% 1/16W
R2110	01500671	VR 5K OHM-B RS-8	R2175	01871015	CF 33K OHM ±5% 1/16W
R2111	01500671	VR 5K OHM-B RS-8	R2176	01871015	CF 33K OHM ±5% 1/16W
R2112	01500671	VR 5K OHM-B RS-8	R2177	01870575	CF 470 OHM ±5% 1/16W
R2113	01500671	VR 5K OHM-B RS-8	R2178	01870775	CF 3.3K OHM ±5% 1/16W
R2114	01500671	VR 5K OHM-B RS-8	R2179	01870575	CF 470 OHM ±5% 1/16W
R2115	01500671	VR 5K OHM-B RS-8	R2180	01871015	CF 33K OHM ±5% 1/16W
R2116	01500671	VR 5K OHM-B RS-8	R2181	01871015	CF 33K OHM ±5% 1/16W
R2117	01500671	VR 5K OHM-B RS-8	R2182	01871015	CF 33K OHM ±5% 1/16W
R2118	01500671	VR 5K OHM-B RS-8	R2183	01870915	CF 12K OHM ±5% 1/16W
R2119	01500671	VR 5K OHM-B RS-8	R2184	01870815	CF 4.7K OHM ±5% 1/16W
R2120	01500671	VR 5K OHM-B RS-8	R2185	01870815	CF 4.7K OHM ±5% 1/16W
R2121	01500671	VR 5K OHM-B RS-8	R2186	01870815	CF 4.7K OHM ±5% 1/16W
R2122	01500671	VR 5K OHM-B RS-8	R2187	0114177	CF 4.7K OHM ±5% 1/4W
R2123	01500671	VR 5K OHM-B RS-8	R2188	01141671	CF 1.8K OHM ±5% 1/4W
R2124	01500671	VR 5K OHM-B RS-8	R2189	01141671	CF 1.8K OHM ±5% 1/4W
R2125	01500671	VR 5K OHM-B RS-8	R2194	0179537	MG 3.9M OHM ±5% 1/8W
R2126	01500671	VR 5K OHM-B RS-8	R2195	01870915	CF 12K OHM ±5% 1/16W
R2127	01500671	VR 5K OHM-B RS-8	R2196	01870555	CF 390 OHM ±5% 1/16W
R2128	01500671	VR 5K OHM-B RS-8	R2197	01870555	CF 390 OHM ±5% 1/16W
R2129	01500671	VR 5K OHM-B RS-8	R2198	01870915	CF 12K OHM ±5% 1/16W
R2130	01500671	VR 5K OHM-B RS-8	R2199	01870655	CF 1K OHM ±5% 1/16W
R2131	01500671	VR 5K OHM-B RS-8	R2200	01142175	CF 47K OHM ±5% 1/4W
R2132	01500671	VR 5K OHM-B RS-8	R2201	01141691	CF 2.2K OHM ±5% 1/4W
R2133	01500671	VR 5K OHM-B RS-8	R2202	0114211	CF 27K OHM ±5% 1/4W
R2134	0150511	VR 20K OHM-B RV-12	R2203	01870695	CF 1.5K OHM ±5% 1/16W
R2135	0150511	VR 20K OHM-B RV-12	R2204	01870715	CF 1.8K OHM ±5% 1/16W
R2136	0150511	VR 20K OHM-B RV-12	R2205	01870975	CF 22K OHM ±5% 1/16W
R2137	0150511	VR 20K OHM-B RV-12	R2206	01870695	CF 1.5K OHM ±5% 1/16W
R2138	01500671	VR 5K OHM-B RS-8	R2207	01870895	CF 10K OHM ±5% 1/16W
R2139	01500395	VR 20K OHM-B RS-8	R2208	01870875	CF 8.2K OHM ±5% 1/16W
R2140	01500395	VR 20K OHM-B RS-8	R2209	01870655	CF 1K OHM ±5% 1/16W
R2141	01500671	VR 5K OHM-B RS-8	R2210	01870655	CF 1K OHM ±5% 1/16W
R2142	01500671	VR 5K OHM-B RS-8	R2211	01870815	CF 4.7K OHM ±5% 1/16W
R2151	01870955	CF 18K OHM ±5% 1/16W	R2212	01870975	CF 22K OHM ±5% 1/16W
R2152	01870995	CF 27K OHM ±5% 1/16W	R2213	01870975	CF 22K OHM ±5% 1/16W
R2153	01870675	CF 1.2K OHM ±5% 1/16W	R2214	01870835	CF 5.6K OHM ±5% 1/16W
R2154	01870171	CF 10K OHM ±5% 1/16W	R2215	01001275	CF 390K OHM ±5% 1/8W
R2155	01870815	CF 4.7K OHM ±5% 1/16W	R2216	0187088	CF 9.1K OHM ±5% 1/16W
R2156	01870775	CF 3.3K OHM ±5% 1/16W	R2217	01870855	CF 6.8K OHM ±5% 1/16W
R2157	01870855	CF 6.8K OHM ±5% 1/16W	R2218	01871135	CF 100K OHM ±5% 1/16W
R2158	01870775	CF 3.3K OHM ±5% 1/16W	R2219	01870895	CF 10K OHM ±5% 1/16W

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SYMBOL NO.	PARTS NO.	DESCRIPTION	SYMBOL NO.	PARTS NO.	DESCRIPTION
R2220	01000855	CF 6.8K OHM ±5% 1/8W	R2271	01870895	CF 10K OHM ±5% 1/16W
R2221	01870895	CF 10K OHM ±5% 1/16W	R2272	01871055	CF 47K OHM ±5% 1/16W
R2222	01870815	CF 4.7K OHM ±5% 1/16W	R2273	01870825	CF 5.1K OHM ±5% 1/16W
R2223	01001215	CF 220K OHM ±5% 1/8W	R2274	01871055	CF 47K OHM ±5% 1/16W
R2224	01870915	CF 12K OHM ±5% 1/16W	R2275	01870935	CF 15K OHM ±5% 1/16W
R2225	01870935	CF 15K OHM ±5% 1/16W	R2276	01870865	CF 7.5K OHM ±5% 1/16W
R2226	01870935	CF 15K OHM ±5% 1/16W	R2277	01870935	CF 15K OHM ±5% 1/16W
R2227	01870865	CF 7.5K OHM ±5% 1/16W	R2278	01871055	CF 47K OHM ±5% 1/16W
R2228	01870935	CF 15K OHM ±5% 1/16W	R2279	01870915	CF 12K OHM ±5% 1/16W
R2229	01871055	CF 47K OHM ±5% 1/16W	R2280	01870835	CF 5.6K OHM ±5% 1/16W
R2230	01870835	CF 5.6K OHM ±5% 1/16W	R2281	01870935	CF 15K OHM ±5% 1/16W
R2231	01870915	CF 12K OHM ±5% 1/16W	R2282	01870855	CF 6.8K OHM ±5% 1/16W
R2232	01870935	CF 15K OHM ±5% 1/16W	R2283	01870895	CF 10K OHM ±5% 1/16W
R2233	01870855	CF 6.8K OHM ±5% 1/16W	R2284	01870935	CF 15K OHM ±5% 1/16W
R2234	01870895	CF 10K OHM ±5% 1/16W	R2285	01870855	CF 6.8K OHM ±5% 1/16W
R2235	01870935	CF 15K OHM ±5% 1/16W	R2286	01870895	CF 10K OHM ±5% 1/16W
R2236	01870895	CF 10K OHM ±5% 1/16W	R2287	01870975	CF 22K OHM ±5% 1/16W
R2237	01870815	CF 4.7K OHM ±5% 1/16W	R2288	01870895	CF 10K OHM ±5% 1/16W
R2238	01870975	CF 22K OHM ±5% 1/16W	R2289	01870961	CF 20K OHM ±5% 1/16W
R2239	01870895	CF 10K OHM ±5% 1/16W	R2290	01870975	CF 22K OHM ±5% 1/16W
R2240	01870961	CF 20K OHM ±5% 1/16W	R2291	01870815	CF 4.7K OHM ±5% 1/16W
R2241	01870975	CF 22K OHM ±5% 1/16W	R2292	01870895	CF 10K OHM ±5% 1/16W
R2242	01870935	CF 15K OHM ±5% 1/16W	R2293	01870955	CF 18K OHM ±5% 1/16W
R2243	01870815	CF 4.7K OHM ±5% 1/16W	R2294	01870895	CF 10K OHM ±5% 1/16W
R2244	01870915	CF 12K OHM ±5% 1/16W	R2295	01871055	CF 47K OHM ±5% 1/16W
R2245	01870895	CF 10K OHM ±5% 1/16W	R2296	01871035	CF 39K OHM ±5% 1/16W
R2246	01870915	CF 12K OHM ±5% 1/16W	R2297	01870855	CF 6.8K OHM ±5% 1/16W
R2247	01871055	CF 47K OHM ±5% 1/16W	R2298	01870955	CF 18K OHM ±5% 1/16W
R2248	01871035	CF 39K OHM ±5% 1/16W	R2299	01870815	CF 4.7K OHM ±5% 1/16W
R2249	01870855	CF 6.8K OHM ±5% 1/16W	R2300	01870835	CF 5.6K OHM ±5% 1/16W
R2250	01871135	CF 100K OHM ±5% 1/16W	R2301	01870835	CF 5.6K OHM ±5% 1/16W
R2251	01871125	CF 91K OHM ±5% 1/16W	R2302	01870955	CF 18K OHM ±5% 1/16W
R2252	01870775	CF 3.3K OHM ±5% 1/16W	R2303	01870835	CF 5.6K OHM ±5% 1/16W
R2253	01870955	CF 18K OHM ±5% 1/16W	R2304	01870935	CF 15K OHM ±5% 1/16W
R2254	01870815	CF 4.7K OHM ±5% 1/16W	R2305	01870895	CF 10K OHM ±5% 1/16W
R2255	01870855	CF 6.8K OHM ±5% 1/16W	R2306	01870895	CF 10K OHM ±5% 1/16W
R2256	01870815	CF 4.7K OHM ±5% 1/16W	R2307	01871135	CF 100K OHM ±5% 1/16W
R2257	01870955	CF 18K OHM ±5% 1/16W	R2308	01870955	CF 18K OHM ±5% 1/16W
R2258	01870855	CF 6.8K OHM ±5% 1/16W	R2309	01870755	CF 2.7K OHM ±5% 1/16W
R2259	01870935	CF 15K OHM ±5% 1/16W	R2310	01870865	CF 7.5K OHM ±5% 1/16W
R2260	01870895	CF 10K OHM ±5% 1/16W	R2311	01871125	CF 91K OHM ±5% 1/16W
R2261	01870895	CF 10K OHM ±5% 1/16W	R2312	01870775	CF 3.3K OHM ±5% 1/16W
R2262	01870955	CF 18K OHM ±5% 1/16W	R2313	01870915	CF 12K OHM ±5% 1/16W
R2263	01870865	CF 7.5K OHM ±5% 1/16W	R2314	01870935	CF 15K OHM ±5% 1/16W
R2264	01870755	CF 2.7K OHM ±5% 1/16W	R2315	01870935	CF 15K OHM ±5% 1/16W
R2265	01871055	CF 47K OHM ±5% 1/16W	R2316	01870975	CF 22K OHM ±5% 1/16W
R2266	01870915	CF 12K OHM ±5% 1/16W	R2317	01870895	CF 10K OHM ±5% 1/16W
R2267	01870935	CF 15K OHM ±5% 1/16W	R2318	01870895	CF 10K OHM ±5% 1/16W
R2268	01870935	CF 15K OHM ±5% 1/16W	R2319	01870935	CF 15K OHM ±5% 1/16W
R2269	01870935	CF 15K OHM ±5% 1/16W	R2320	01871055	CF 47K OHM ±5% 1/16W
R2270	01870975	CF 22K OHM ±5% 1/16W	R2321	01871055	CF 47K OHM ±5% 1/16W

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SYMBOL NO.	PARTS NO.	DESCRIPTION	SYMBOL NO.	PARTS NO.	DESCRIPTION
R2322	01871055	CF 47K OHM ±5% 1/16W	R2376	01870855	CF 6.8K OHM ±5% 1/16W
R2323	01870825	CF 5.1K OHM ±5% 1/16W	R2378	01870895	CF 10K OHM ±5% 1/16W
R2324	01870995	CF 27K OHM ±5% 1/16W	R2381	01001175	CF 150K OHM ±5% 1/8W
R2325	01870935	CF 15K OHM ±5% 1/16W	R2382	01001335	CF 680K OHM ±5% 1/8W
R2326	01870835	CF 5.6K OHM ±5% 1/16W	R2383	01001335	CF 680K OHM ±5% 1/8W
R2327	01870875	CF 8.2K OHM ±5% 1/16W	R2385	01870935	CF 15K OHM ±5% 1/16W
R2328	01870835	CF 5.6K OHM ±5% 1/16W	R2386	01870975	CF 22K OHM ±5% 1/16W
R2329	01870895	CF 10K OHM ±5% 1/16W	R2388	01870815	CF 4.7K OHM ±5% 1/16W
R2330	01870675	CF 1.2K OHM ±5% 1/16W	R2389	0187064	CF 910 OHM ±5% 1/16W
R2331	01870815	CF 4.7K OHM ±5% 1/16W	R2390	01870875	CF 8.2K OHM ±5% 1/16W
R2332	01870975	CF 22K OHM ±5% 1/16W	R2391	01001255	CF 330K OHM ±5% 1/8W
R2333	01870855	CF 6.8K OHM ±5% 1/16W	R2392	01001255	CF 330K OHM ±5% 1/8W
R2334	01870855	CF 6.8K OHM ±5% 1/16W	R2393	01871055	CF 47K OHM ±5% 1/16W
R2335	01870815	CF 4.7K OHM ±5% 1/16W	R2394	01870955	CF 18K OHM ±5% 1/16W
R2336	01870935	CF 15K OHM ±5% 1/16W	R2395	01870955	CF 18K OHM ±5% 1/16W
R2337	01870935	CF 15K OHM ±5% 1/16W	R2396	0187106	CF 51K OHM ±5% 1/16W
R2338	01870935	CF 15K OHM ±5% 1/16W	R3002	01000415	CF 100 OHM ±5% 1/8W
R2339	01870935	CF 15K OHM ±5% 1/16W	R3004	01000415	CF 100 OHM ±5% 1/8W
R2340	01870935	CF 15K OHM ±5% 1/16W	R3005	01870495	CF 220 OHM ±5% 1/16W
R2341	01870935	CF 15K OHM ±5% 1/16W	R3006	0113742	CF 470 OHM ±5% 1/2W
R2342	01870415	CF 100 OHM ±5% 1/16W	R3007	01000375	CF 68 OHM ±5% 1/8W
R2343	01870415	CF 100 OHM ±5% 1/16W	R301	01000495	CF 220 OHM ±5% 1/8W
R2344	01870415	CF 100 OHM ±5% 1/16W	R3011	01000415	CF 100 OHM ±5% 1/8W
R2345	01870415	CF 100 OHM ±5% 1/16W	R3013	01000415	CF 100 OHM ±5% 1/8W
R2346	01870415	CF 100 OHM ±5% 1/16W	R3014	01871015	CF 33K OHM ±5% 1/16W
R2347	01870415	CF 100 OHM ±5% 1/16W	R3015	01871135	CF 100K OHM ±5% 1/16W
R2348	01870995	CF 27K OHM ±5% 1/16W	R3016	01870655	CF 1K OHM ±5% 1/16W
R2349	01871135	CF 100K OHM ±5% 1/16W	R3017	01870655	CF 1K OHM ±5% 1/16W
R2350	01870981	CF 24K OHM ±5% 1/16W	R3018	01871015	CF 33K OHM ±5% 1/16W
R2351	01871135	CF 100K OHM ±5% 1/16W	R3019	01871135	CF 100K OHM ±5% 1/16W
R2352	01871105	CF 75K OHM ±5% 1/16W	R302	01870595	CF 560 OHM ±5% 1/16W
R2353	01871055	CF 47K OHM ±5% 1/16W	R3020	01870655	CF 1K OHM ±5% 1/16W
R2354	01871135	CF 100K OHM ±5% 1/16W	R3021	01870635	CF 820 OHM ±5% 1/16W
R2355	01871135	CF 100K OHM ±5% 1/16W	R3022	01870655	CF 1K OHM ±5% 1/16W
R2356	01871005	CF 30K OHM ±5% 1/16W	R3023	01870535	CF 330 OHM ±5% 1/16W
R2357	01871135	CF 100K OHM ±5% 1/16W	R3024	01870575	CF 470 OHM ±5% 1/16W
R2358	01871115	CF 82K OHM ±5% 1/16W	R3025	01870575	CF 470 OHM ±5% 1/16W
R2359	01871035	CF 39K OHM ±5% 1/16W	R3026	01870575	CF 470 OHM ±5% 1/16W
R2360	01871135	CF 100K OHM ±5% 1/16W	R3027	01870655	CF 1K OHM ±5% 1/16W
R2361	01870895	CF 10K OHM ±5% 1/16W	R3028	01000655	CF 1K OHM ±5% 1/8W
R2362	01870915	CF 12K OHM ±5% 1/16W	R303	01000495	CF 220 OHM ±5% 1/8W
R2363	01870935	CF 15K OHM ±5% 1/16W	R304	01870595	CF 560 OHM ±5% 1/16W
R2364	01870895	CF 10K OHM ±5% 1/16W	R3044	01000895	CF 10K OHM ±5% 1/8W
R2365	01870935	CF 15K OHM ±5% 1/16W	R3046	01000495	CF 220 OHM ±5% 1/8W
R2368	01870895	CF 10K OHM ±5% 1/16W	R3047	01870595	CF 560 OHM ±5% 1/16W
R2369	01870855	CF 6.8K OHM ±5% 1/16W	R3048	01870595	CF 560 OHM ±5% 1/16W
R2370	01870815	CF 4.7K OHM ±5% 1/16W	R3049	01870595	CF 560 OHM ±5% 1/16W
R2371	01870775	CF 3.3K OHM ±5% 1/16W	R305	01870655	CF 1K OHM ±5% 1/16W
R2372	01500671	VR 5K OHM-B RS-8	R3050	01500345	VR 500 OHM-B RS-8
R2373	01870655	CF 1K OHM ±5% 1/16W	R3051	01870715	CF 1.8K OHM ±5% 1/16W
R2374	01870855	CF 6.8K OHM ±5% 1/16W	R3052	01870695	CF 1.5K OHM ±5% 1/16W

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SYMBOL NO.	PARTS NO.	DESCRIPTION	SYMBOL NO.	PARTS NO.	DESCRIPTION
R3053	01870495	CF 220 OHM ±5% 1/16W	R357	01870755	CF 2.7K OHM ±5% 1/16W
R3054	01870595	CF 560 OHM ±5% 1/16W	R358	01870495	CF 220 OHM ±5% 1/16W
R3055	01000495	CF 220 OHM ±5% 1/8W	R359	01137295	CF 150 OHM ±5% 1/2W
R3056	01000495	CF 220 OHM ±5% 1/8W	R360	01871055	CF 47K OHM ±5% 1/16W
R3057	01000495	CF 220 OHM ±5% 1/8W	R361	01871055	CF 47K OHM ±5% 1/16W
R306	01870655	CF 1K OHM ±5% 1/16W	R362	01870415	CF 100 OHM ±5% 1/16W
R3060	01870495	CF 220 OHM ±5% 1/16W	R363	01871055	CF 47K OHM ±5% 1/16W
R3066	01870835	CF 5.6K OHM ±5% 1/16W	R364	01871055	CF 47K OHM ±5% 1/16W
R307	01870495	CF 220 OHM ±5% 1/16W	R365	01871055	CF 47K OHM ±5% 1/16W
R3074	01870555	CF 390 OHM ±5% 1/16W	R368	01870655	CF 1K OHM ±5% 1/16W
R3075	01870695	CF 1.5K OHM ±5% 1/16W	R369	01870675	CF 1.2K OHM ±5% 1/16W
R308	01870595	CF 560 OHM ±5% 1/16W	R370	01870415	CF 100 OHM ±5% 1/16W
R309	01870695	CF 1.5K OHM ±5% 1/16W	R372	01870475	CF 180 OHM ±5% 1/16W
R310	01870715	CF 1.8K OHM ±5% 1/16W	R373	01870501	CF 240 OHM ±5% 1/16W
R311	01870495	CF 220 OHM ±5% 1/16W	R374	01870431	CF 120 OHM ±5% 1/16W
R312	01870655	CF 1K OHM ±5% 1/16W	R375	01870675	CF 1.2K OHM ±5% 1/16W
R313	01000895	CF 10K OHM ±5% 1/8W	R376	01870775	CF 3.3K OHM ±5% 1/16W
R314	01870895	CF 10K OHM ±5% 1/16W	R377	01870575	CF 470 OHM ±5% 1/16W
R315	01870895	CF 10K OHM ±5% 1/16W	R380	01870655	CF 1K OHM ±5% 1/16W
R316	01001311	CF 560K OHM ±5% 1/8W	R381	01870655	CF 1K OHM ±5% 1/16W
R317	01001295	CF 470K OHM ±5% 1/8W	R383	01870775	CF 3.3K OHM ±5% 1/16W
R318	01001035	CF 39K OHM ±5% 1/8W	R384	01870415	CF 100 OHM ±5% 1/16W
R321	01870975	CF 22K OHM ±5% 1/16W	R385	01870775	CF 3.3K OHM ±5% 1/16W
R322	01870895	CF 10K OHM ±5% 1/16W	R386	01870815	CF 4.7K OHM ±5% 1/16W
R323	01001335	CF 680K OHM ±5% 1/8W	R387	01871135	CF 100K OHM ±5% 1/16W
R324	01870995	CF 27K OHM ±5% 1/16W	R389	01870655	CF 1K OHM ±5% 1/16W
R325	01001135	CF 100K OHM ±5% 1/8W	R390	01870775	CF 3.3K OHM ±5% 1/16W
R326	01870715	CF 1.8K OHM ±5% 1/16W	R391	01870595	CF 560 OHM ±5% 1/16W
R327	01870655	CF 1K OHM ±5% 1/16W	R392	01870915	CF 12K OHM ±5% 1/16W
R328	01870675	CF 1.2K OHM ±5% 1/16W	R393	01870715	CF 1.8K OHM ±5% 1/16W
R329	01870575	CF 470 OHM ±5% 1/16W	R394	01000435	CF 120 OHM ±5% 1/8W
R330	01870515	CF 270 OHM ±5% 1/16W	R395	01870415	CF 100 OHM ±5% 1/16W
R331	01870735	CF 2.2K OHM ±5% 1/16W	R396	01870255	CF 22 OHM ±5% 1/16W
R332	01870835	CF 5.6K OHM ±5% 1/16W	R401	01000655	CF 1K OHM ±5% 1/8W
R333	01870835	CF 5.6K OHM ±5% 1/16W	R4012	01870655	CF 1K OHM ±5% 1/16W
R334	0187060	CF 620 OHM ±5% 1/16W	R4013	01870835	CF 5.6K OHM ±5% 1/16W
R336	01871015	CF 33K OHM ±5% 1/16W	R4015	01870835	CF 5.6K OHM ±5% 1/16W
R337	01870415	CF 100 OHM ±5% 1/16W	R4016	01000655	CF 1K OHM ±5% 1/8W
R338	01870741	CF 2.4K OHM ±5% 1/16W	R4017	01870495	CF 220 OHM ±5% 1/16W
R339	01870955	CF 18K OHM ±5% 1/16W	R4018	01870495	CF 220 OHM ±5% 1/16W
R340	01000415	CF 100 OHM ±5% 1/8W	R4019S	01870495	CF 220 OHM ±5% 1/16W
R341	01870995	CF 27K OHM ±5% 1/16W	R402	01000655	CF 1K OHM ±5% 1/8W
R342	0150216	VR 10K OHM-B	R4020S	01870415	CF 100 OHM ±5% 1/16W
R343	01870975	CF 22K OHM ±5% 1/16W	R4021S	01870655	CF 1K OHM ±5% 1/16W
R344	01000415	CF 100 OHM ±5% 1/8W	R4022S	01870655	CF 1K OHM ±5% 1/16W
R345	01000415	CF 100 OHM ±5% 1/8W	R4023S	01870615	CF 680 OHM ±5% 1/16W
R348	01000415	CF 100 OHM ±5% 1/8W	R4024S	01870615	CF 680 OHM ±5% 1/16W
R351	01000535	CF 330 OHM ±5% 1/8W	R4025S	01870521	CF 300 OHM ±5% 1/16W
R352	01870875	CF 8.2K OHM ±5% 1/16W	R4026S	01870521	CF 300 OHM ±5% 1/16W
R353	01870495	CF 220 OHM ±5% 1/16W	R4027S	01870575	CF 470 OHM ±5% 1/16W
R356	01870415	CF 100 OHM ±5% 1/16W	R4028S	01870575	CF 470 OHM ±5% 1/16W

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SYMBOL NO.	PARTS NO.	DESCRIPTION	SYMBOL NO.	PARTS NO.	DESCRIPTION
R4029S	01870615	CF 680 OHM ±5% 1/16W	R4119	01000495	CF 220 OHM ±5% 1/8W
⚠R403	01195145	FR 10 OHM ±5% 1/4W	R412	01000935	CF 15K OHM ±5% 1/8W
R4030S	01870615	CF 680 OHM ±5% 1/16W	R4120	01000495	CF 220 OHM ±5% 1/8W
R4033S	01870415	CF 100 OHM ±5% 1/16W	R4121	01000415	CF 100 OHM ±5% 1/8W
R4034S	01870415	CF 100 OHM ±5% 1/16W	R4122	01500385	VR 10K OHM-B RS-8
R404	01000855	CF 6.8K OHM ±5% 1/8W	R413	01000835	CF 5.6K OHM ±5% 1/8W
R405	01870895	CF 10K OHM ±5% 1/16W	R414	01000995	CF 27K OHM ±5% 1/8W
R4053	01870715	CF 1.8K OHM ±5% 1/16W	R415	0110248	MF 1.3K OHM ±5% 2W
R4054	01870715	CF 1.8K OHM ±5% 1/16W	R417	01870895	CF 10K OHM ±5% 1/16W
R4055	01870795	CF 3.9K OHM ±5% 1/16W	R4201	01000385	CF 75 OHM ±5% 1/8W
R4056	01870795	CF 3.9K OHM ±5% 1/16W	R4202	01000385	CF 75 OHM ±5% 1/8W
R4057	01500345	VR 500 OHM-B RS-8	R4203	01000385	CF 75 OHM ±5% 1/8W
R4058	01870415	CF 100 OHM ±5% 1/16W	R4204	01001135	CF 100K OHM ±5% 1/8W
R4059	01870415	CF 100 OHM ±5% 1/16W	R4205	01001135	CF 100K OHM ±5% 1/8W
R406	01870895	CF 10K OHM ±5% 1/16W	R4206	01000385	CF 75 OHM ±5% 1/8W
R4060	01870595	CF 560 OHM ±5% 1/16W	R4207	01001135	CF 100K OHM ±5% 1/8W
R4061	01870895	CF 10K OHM ±5% 1/16W	R4208	01001135	CF 100K OHM ±5% 1/8W
R4062	01870895	CF 10K OHM ±5% 1/16W	R4209	01001135	CF 100K OHM ±5% 1/8W
R4063	01870735	CF 2.2K OHM ±5% 1/16W	R4210	01001135	CF 100K OHM ±5% 1/8W
R4064	01870695	CF 1.5K OHM ±5% 1/16W	R4211	01001135	CF 100K OHM ±5% 1/8W
R4065	01870875	CF 8.2K OHM ±5% 1/16W	R4214	01001135	CF 100K OHM ±5% 1/8W
R4066	01870835	CF 5.6K OHM ±5% 1/16W	R4215	01001135	CF 100K OHM ±5% 1/8W
R4067	01870835	CF 5.6K OHM ±5% 1/16W	R501	01870555	CF 390 OHM ±5% 1/16W
R4068	01870415	CF 100 OHM ±5% 1/16W	R502	01870415	CF 100 OHM ±5% 1/16W
R4069	01870415	CF 100 OHM ±5% 1/16W	R503	01000895	CF 10K OHM ±5% 1/8W
R407	01141421	CF 300 OHM ±5% 1/4W	R504	01870895	CF 10K OHM ±5% 1/16W
R4070	01870895	CF 10K OHM ±5% 1/16W	R505	01870895	CF 10K OHM ±5% 1/16W
R4071	01870895	CF 10K OHM ±5% 1/16W	R506	01870535	CF 330 OHM ±5% 1/16W
R4072	01870835	CF 5.6K OHM ±5% 1/16W	R507	01000415	CF 100 OHM ±5% 1/8W
R4073	01870835	CF 5.6K OHM ±5% 1/16W	R508	01000415	CF 100 OHM ±5% 1/8W
R4074	01195085	FR 56 OHM ±5% 1/4W	R509	01870895	CF 10K OHM ±5% 1/16W
R4075	01870995	CF 27K OHM ±5% 1/16W	R510	01870655	CF 1K OHM ±5% 1/16W
R4076	01870895	CF 10K OHM ±5% 1/16W	R512	01870595	CF 560 OHM ±5% 1/16W
R4077	01870895	CF 10K OHM ±5% 1/16W	R515	0100124	CF 300K OHM ±5% 1/8W
R408	01141421	CF 300 OHM ±5% 1/4W	R517	01870715	CF 1.8K OHM ±5% 1/16W
R4080	01870895	CF 10K OHM ±5% 1/16W	R518	01870495	CF 220 OHM ±5% 1/16W
⚠R409	01195051	FR 2.2 OHM ±5% 1/4W	R519	01870495	CF 220 OHM ±5% 1/16W
⚠R410	01195051	FR 2.2 OHM ±5% 1/4W	R520	01870655	CF 1K OHM ±5% 1/16W
R4102	01000655	CF 1K OHM ±5% 1/8W	R521	01870655	CF 1K OHM ±5% 1/16W
R4104	01000655	CF 1K OHM ±5% 1/8W	R523	01000535	CF 330 OHM ±5% 1/8W
R4106	01000655	CF 1K OHM ±5% 1/8W	R524	01000535	CF 330 OHM ±5% 1/8W
R4108	01000655	CF 1K OHM ±5% 1/8W	R525	01000535	CF 330 OHM ±5% 1/8W
R411	01000495	CF 220 OHM ±5% 1/8W	R526	01000655	CF 1K OHM ±5% 1/8W
R4110	01000655	CF 1K OHM ±5% 1/8W	R527	01870415	CF 100 OHM ±5% 1/16W
R4112	01000655	CF 1K OHM ±5% 1/8W	R528	01870995	CF 27K OHM ±5% 1/16W
R4113	01870655	CF 1K OHM ±5% 1/16W	R529	01870995	CF 27K OHM ±5% 1/16W
R4114	01000655	CF 1K OHM ±5% 1/8W	R530	01870895	CF 10K OHM ±5% 1/16W
R4115	01870495	CF 220 OHM ±5% 1/16W	R531	01871135	CF 100K OHM ±5% 1/16W
R4116	01870495	CF 220 OHM ±5% 1/16W	R532	01870775	CF 3.3K OHM ±5% 1/16W
R4117	01000415	CF 100 OHM ±5% 1/8W	R534	01870311	CF 39 OHM ±5% 1/16W
R4118	01000415	CF 100 OHM ±5% 1/8W	R535	01870401	CF 91 OHM ±5% 1/16W

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SYMBOL NO.	PARTS NO.	DESCRIPTION	SYMBOL NO.	PARTS NO.	DESCRIPTION
R536	0187027	CF 27 OHM ±5% 1/16W	R709	01141635	CF 1.2K OHM ±5% 1/4W
R537	01871135	CF 100K OHM ±5% 1/16W	R710	01141691	CF 2.2K OHM ±5% 1/4W
R538	01870935	CF 15K OHM ±5% 1/16W	R711	01000415	CF 100 OHM ±5% 1/8W
R539	01870895	CF 10K OHM ±5% 1/16W	R712	01102795	MF 27K OHM ±5% 2W
R542	01000495	CF 220 OHM ±5% 1/8W	R713	01102795	MF 27K OHM ±5% 2W
R543	01870595	CF 560 OHM ±5% 1/16W	R714	01102795	MF 27K OHM ±5% 2W
R545	01870655	CF 1K OHM ±5% 1/16W	R715	01102795	MF 27K OHM ±5% 2W
R601	01870655	CF 1K OHM ±5% 1/16W	R716	01102795	MF 27K OHM ±5% 2W
R603	01870875	CF 8.2K OHM ±5% 1/16W	R717	01142135	CF 33K OHM ±5% 1/4W
R604	01870795	CF 3.9K OHM ±5% 1/16W	⚠R718	01195051	FR 2.2 OHM ±5% 1/4W
R604S	01871035	CF 39K OHM ±5% 1/16W	R719	0119687	FR 4.7 OHM ±5% 1/4W
R605	01871035	CF 39K OHM ±5% 1/16W	⚠R720	01195121	MF 1 OHM ±5% 1/4W
R606	01870955	CF 18K OHM ±5% 1/16W	R720S	01870755	CF 2.7K OHM ±5% 1/16W
R606S	01870835	CF 5.6K OHM ±5% 1/16W	⚠R721	01195041	FR 0.5 OHM ±5% 1/4W
R607	01870455	CF 150 OHM ±5% 1/16W	R721S	01870895	CF 10K OHM ±5% 1/16W
R607S	01001215	CF 220K OHM ±5% 1/8W	⚠R722	01195041	FR 0.5 OHM ±5% 1/4W
R608	01136845	CF 2.2 OHM ±5% 1/2W	R722S	0187089	CF 10K OHM ±5% 1/16W
R608S	01870295	CF 33 OHM ±5% 1/16W	⚠R723	01195041	FR 0.5 OHM ±5% 1/4W
R609	01136845	CF 2.2 OHM ±5% 1/2W	R723S	01870895	CF 10K OHM ±5% 1/16W
R609S	01000415	CF 100 OHM ±5% 1/8W	R724	01000835	CF 5.6K OHM ±5% 1/8W
R610	01870785	CF 3.6K OHM ±5% 1/16W	R724S	01871135	CF 100K OHM ±5% 1/16W
R611	01871055	CF 47K OHM ±5% 1/16W	R725	0119638	FR 20K OHM ±1%
R611S	01000655	CF 1K OHM ±5% 1/8W	R725S	01870935	CF 15K OHM ±5% 1/16W
R612	01870935	CF 15K OHM ±5% 1/16W	⚠R726	01196271	FR 6.8K OHM 1/8W ±1%
R614	01870935	CF 15K OHM ±5% 1/16W	R726S	01870935	CF 15K OHM ±5% 1/16W
R629	01870535	CF 330 OHM ±5% 1/16W	R727	01500375	VR 5K OHM-B RS-8
R632	01000415	CF 100 OHM ±5% 1/8W	R727S	01870655	CF 1K OHM ±5% 1/16W
R636	01137295	CF 150 OHM ±5% 1/2W	⚠R728	0119644	FR 36K OHM ±1%
R637	01870755	CF 2.7K OHM ±5% 1/16W	R729	01000415	CF 100 OHM ±5% 1/8W
⚠R651	01500171	VR 200 OHM-B	R730	0100104	CF 43K OHM ±5% 1/8W
R653	01870675	CF 1.2K OHM ±5% 1/16W	R731	01103371	MF 470 OHM ±5% 3W
R660	01000875	CF 8.2K OHM ±5% 1/8W	R732	01000855	CF 6.8K OHM ±5% 1/8W
R661	01000735	CF 2.2K OHM ±5% 1/8W	⚠R733	0119631	FR 10K OHM ±1%
R662	01000815	CF 4.7K OHM ±5% 1/8W	⚠R734	0119631	FR 10K OHM ±1%
R663	01000835	CF 5.6K OHM ±5% 1/8W	R735	01101255	MF 150 OHM ±5% 1W
R664	01000835	CF 5.6K OHM ±5% 1/8W	⚠R736	01000915	CF 12K OHM ±5% 1/8W
R665	01001255	CF 330K OHM ±5% 1/8W	R737	01001205	CF 200K OHM ±5% 1/8W
R699	01000895	CF 10K OHM ±5% 1/8W	R738	01000895	CF 10K OHM ±5% 1/8W
⚠R701	0141194	WW 100 OHM ±5% 10W	R739	01001035	CF 39K OHM ±5% 1/8W
R701S	01001275	CF 390K OHM ±5% 1/8W	R740	01000635	CF 820 OHM ±5% 1/8W
R702	01000415	CF 100 OHM ±5% 1/8W	R741	01000815	CF 4.7K OHM ±5% 1/8W
R702S	01870595	CF 560 OHM ±5% 1/16W	R743	01101695	MF 10K OHM ±5% 1W
R703	01000815	CF 4.7K OHM ±5% 1/8W	R744	01871005	CF 30K OHM ±5% 1/16W
R704	0100034	CF 51 OHM ±5% 1/8W	R745	01871055	CF 47K OHM ±5% 1/16W
R704S	01870755	CF 2.7K OHM ±5% 1/16W	R746	01871055	CF 47K OHM ±5% 1/16W
⚠R705	01376011	CF 1K OHM ±5% 1/4W	R747	01000895	CF 10K OHM ±5% 1/8W
R705S	01870695	CF 1.5K OHM ±5% 1/16W	R747S	01141435	CF 330 OHM ±5% 1/4W
R706	0113807	CF 220K OHM ±5% 1/2W	R748	01000655	CF 1K OHM ±5% 1/8W
⚠R707	01101135	MF 47 OHM ±5% 1W	R749	01871135	CF 100K OHM ±5% 1/16W
R707S	01870331	CF 47 OHM ±5% 1/16W	R750	01870895	CF 10K OHM ±5% 1/16W
R708	01000655	CF 1K OHM ±5% 1/8W	R751	01000895	CF 10K OHM ±5% 1/8W

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SYMBOL NO.	PARTS NO.	DESCRIPTION	SYMBOL NO.	PARTS NO.	DESCRIPTION
R752	01101735	MF 15K OHM ±5% 1W	R854R	0110375	MF 18K OHM ±5% 3W
R752S	01870415	CF 100 OHM ±5% 1/16W	R855B	01137445	CF 560 OHM ±5% 1/2W
R753	01000655	CF 1K OHM ±5% 1/8W	R855G	01137445	CF 560 OHM ±5% 1/2W
⚠R755	0119688	FR 0.22 OHM ±5% 1W	R855R	01137445	CF 560 OHM ±5% 1/2W
R756	0141194	WW 100 OHM ±5% 10W	R856G	01000435	CF 120 OHM ±5% 1/8W
R757	0113788	CF 36K OHM ±5% 1/2W	R856R	01000435	CF 120 OHM ±5% 1/8W
R759	01870895	CF 10K OHM ±5% 1/16W	R857B	01000595	CF 560 OHM ±5% 1/8W
R760	01870655	CF 1K OHM ±5% 1/16W	R857G	01000595	CF 560 OHM ±5% 1/8W
R761S	01871055	CF 47K OHM ±5% 1/16W	R857R	01000635	CF 820 OHM ±5% 1/8W
R762S	01871055	CF 47K OHM ±5% 1/16W	R858B	01000855	CF 6.8K OHM ±5% 1/8W
R763	01000675	CF 1.2K OHM ±5% 1/8W	R858G	01000855	CF 6.8K OHM ±5% 1/8W
R763S	01870655	CF 1K OHM ±5% 1/16W	R858R	01000855	CF 6.8K OHM ±5% 1/8W
R764	01000815	CF 4.7K OHM ±5% 1/8W	R859B	01000795	CF 3.9K OHM ±5% 1/8W
R765	01000895	CF 10K OHM ±5% 1/8W	R859G	01000795	CF 3.9K OHM ±5% 1/8W
R766	01001135	CF 100K OHM ±5% 1/8W	R859R	01000795	CF 3.9K OHM ±5% 1/8W
R767	01137195	CF 56 OHM ±5% 1/2W	R860B	0179534	MG 470K OHM ±5% 1/2W
R768	01137195	CF 56 OHM ±5% 1/2W	R860G	0179534	MG 470K OHM ±5% 1/2W
R769	01137195	CF 56 OHM ±5% 1/2W	R860R	0179534	MG 470K OHM ±5% 1/2W
R770	01000995	CF 27K OHM ±5% 1/8W	R861B	0179534	MG 470K OHM ±5% 1/2W
R771	01001055	CF 47K OHM ±5% 1/8W	R861G	0179534	MG 470K OHM ±5% 1/2W
⚠R772	0119696	FR 0.51 OHM 1W	R861R	0179534	MG 470K OHM ±5% 1/2W
⚠R773	0119696	FR 0.51 OHM 1W	⚠R862B	0151635	VR 1M OHM-B
R774	01101535	MF 2.2K OHM ±5% 1W	⚠R862G	0151635	VR 1M OHM-B
R775	0113796	MF 75K OHM ±5% 1/2W	⚠R862R	0151635	VR 1M OHM-B
R776	0113796	MF 75K OHM ±5% 1/2W	⚠R864B	01513341	VR 200 OHM-B
R777	0100042	CF 110 OHM ±5% 1/8W	R864G	01000395	CF 82 OHM ±5% 1/8W
R778	01000635	CF 820 OHM ±5% 1/8W	⚠R864R	01513341	VR 200 OHM-B
R780	0187095	CF 18K OHM ±5% 1/16W	R865B	01000681	CF 1.3K OHM ±5% 1/8W
R785	01000895	CF 10K OHM ±5% 1/8W	R865G	01000681	CF 1.3K OHM ±5% 1/8W
⚠R786	01195121	MF 1 OHM ±5% 1/4W	R865R	01000681	CF 1.3K OHM ±5% 1/8W
R788	01136845	CF 2.2 OHM ±5% 1/2W	R866B	01000535	CF 330 OHM ±5% 1/8W
R789	0110231	MF 270 OHM ±5% 2W	R866G	01000535	CF 330 OHM ±5% 1/8W
R790	01137355	CF 270 OHM ±5% 1/2W	R866R	01000535	CF 330 OHM ±5% 1/8W
R794	01102611	MF 4.7K OHM±5% 2W	R867B	0110373	MF 15K OHM ±5% 3W
⚠R795	01000895	CF 10K OHM ±5% 1/8W	R867G	0110373	MF 15K OHM ±5% 3W
⚠R797	0119638	FR 20K OHM ±1%	R867R	0110373	MF 15K OHM ±5% 3W
R798S	01870655	CF 1K OHM ±5% 1/16W	R868B	01001055	CF 47K OHM ±5% 1/8W
R798	01871135	CF 100K OHM ±5% 1/16W	R868G	01001055	CF 47K OHM ±5% 1/8W
R799	01000695	CF 1.5K OHM ±5% 1/8W	R868R	01001055	CF 47K OHM ±5% 1/8W
R799S	01000895	CF 10K OHM ±5% 1/8W	R869B	01513361	VR 1K OHM-B
R800	01140491	CF 22 OHM ±5% 1/4W	⚠R869G	01513361	VR 1K OHM-B
⚠R801	0141195	WW 330 OHM ±5% 10W	R870G	01000415	CF 100 OHM ±5% 1/8W
R803	0141123	CEMENT RESISTOR 33 OHM ±5% 2W	R870R	01000415	CF 100 OHM ±5% 1/8W
R851B	01000495	CF 220 OHM ±5% 1/8W	R871B	01000415	CF 100 OHM ±5% 1/8W
R851G	01000495	CF 220 OHM ±5% 1/8W	R871G	01000415	CF 100 OHM ±5% 1/8W
R851R	01000495	CF 220 OHM ±5% 1/8W	R871R	01000415	CF 100 OHM ±5% 1/8W
R853B	01000335	CF 47 OHM ±5% 1/8W	⚠R901	0139015	CC 1M OHM ±10% 1/2W
R853G	01000335	CF 47 OHM ±5% 1/8W	⚠R902	0139015	CC 1M OHM ±10% 1/2W
R853R	01000435	CF 120 OHM ±5% 1/8W	R903	0141134	WW 2.7 OHM ±10% 10W
R854B	0110375	MF 18K OHM ±5% 3W	R904	0141193	WW 2.2 OHM ±5% 10W
R854G	0110375	MF 18K OHM ±5% 3W	⚠R905	0141166	WW 1.8 OHM ±10% 16W

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SYMBOL NO.	PARTS NO.	DESCRIPTION
⚠R906	0141165	WW 0.82 OHM ±10% 7W
R907	0110366	MF 7.5K OHM ±5% 3W
R908	01101755	MF 18K OHM ±5% 1W
R909	0194068	WW 1 OHM ±5% 2W
R910	0194068	WW 1 OHM ±5% 2W
⚠R911	0141161	WW 220 OHM ±5% 15W
⚠R912	0141161	WW 220 OHM ±5% 15W
R913	0141167	WW 4.7 OHM ±10% 7W
R914	0110161	MF 4.7K OHM ±5% 1W
R915A	01142975	CF 470K OHM ±5% 1/4W
R915B	01142975	CF 470K OHM ±5% 1/4W
R916	0110308	MF 30 OHM ±5% 3W
R917	01141615	CF 1K OHM ±5% 1/4W
R918	01142175	CF 47K OHM ±5% 1/4W
R919	0114211	CF 27K OHM ±5% 1/4W
R920	0119840	FR 0.75 OHM ±5% 1W
R921	0114201	CF 10K OHM ±5% 1/4W
R922	0114211	CF 27K OHM ±5% 1/4W
R923	0114217	CF 47K OHM ±5% 1/4W
⚠R931	0147867	WW 330 OHM 15W
⚠R932	0147867	WW 330 OHM 15W
R933	0147867	WW 330 OHM 15W
R934	0141167	WW 4.7 OHM±10% 7W
R935A	01142975	CF 470K OHM ±5% 1/4W
R935B	01142975	CF 470K OHM ±5% 1/4W
R936	0119690	FR 0.27 OHM ±5% 1W
R938	01141615	CF 1K OHM ±5% 1/4W
R939	01000995	CF 27K OHM ±5% 1/8W
R940	01001055	CF 47K OHM ±5% 1/8W
R941	01001175	CF 150K OHM ±5% 1/8W
R942	01000415	CF 100 OHM ±5% 1/8W
R943	01000935	CF 15K OHM ±5% 1/8W
⚠R944	0119619	FR 3.3K OHM 1/8W
R945	01000725	CF 2K OHM ±5% 1/8W
⚠R946	0113794	CF 62K OHM ±5%
R947	01000415	CF 100 OHM ±5% 1/8W
⚠R950	0150109	VR 200 OHM-B RS-6
⚠R952	01141655	CF 1.5K OHM ±5% 1/4W
R954	01195085	FR 56 OHM ±5% 1/4W
R955	01870775	CF 3.3K OHM ±5% 1/16W
R956	01870655	CF 1K OHM ±5% 1/16W
R959	0113754	CF 1.5K OHM ±5% 1/2W
R960	01870775	CF 3.3K OHM ±5% 1/16W

ICs

IC0101	2917711	IC MN15284HQ
IC0102	2917742	IC MN12C25D
IC0103	2914961	IC HA11510NT
IC0104	2917731	IC MN1297HNA
IC0105	2917721	IC MN15221HP
IC0401	2914931	IC CX20112
IC0402	2914941	IC CXA1011P
IC0403	2366392	IC AN5836
IC1701	2366631	IC AN5020
IC2001	2361411	IC HD14520BP
IC2101	2916242	IC PA0021A
IC2102	2916251	IC PA0022
IC3001	2916671	IC LA7955
IC3002	2917611	IC LA7016
IC3003	2912961	IC M51386L
IC3004	2917611	IC LA7016
IC3005	2917611	IC LA7016
IC303	2917301	IC CX20125
IC401	2916321	IC LA4280
⚠IC501	2915192	IC LA7629
IC502	2917591	IC TA8647S
IC503	2365451	IC HA17903PS
IC601	2913981	IC AN5521
⚠IC701	23667211	IC UPC1394C

TRANSISTORS

Q0103	23206375	TR 2SA673C/D
Q0104	23205981	TR 2SC458B/C/D
Q0105	23205981	TR 2SC458B/C/D
Q0106	23205981	TR 2SC458B/C/D
Q0107	23205981	TR 2SC458B/C/D
Q0108	23205981	TR 2SC458B/C/D
Q0109	23205981	TR 2SC458B/C/D
Q0110	23205981	TR 2SC458B/C/D
Q0113	23205981	TR 2SC458B/C/D
Q0114	2324084	TR 2SK105E/F
Q0115	23206631	TR 2SC1213AC
Q0118	23206375	TR 2SA673C/D
Q0401	23205981	TR 2SC458B/C/D
Q0402	23205981	TR 2SC458B/C/D
Q0403	23205955	TR 2SC458(D)
Q0404	23205981	TR 2SC458B/C/D
Q0405	23205981	TR 2SC458B/C/D
Q0406	23205981	TR 2SC458B/C/D
Q0407	2320647	TR 2SC1213C/D
Q1301	23206631	TR 2SC1213AC
Q1302	23206631	TR 2SC1213AC
Q1303	23206815	TR 2SA673A B/C
Q1304	23215915	TR 2SD401A(K)

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SYMBOL NO.	PARTS NO.	DESCRIPTION	SYMBOL NO.	PARTS NO.	DESCRIPTION
Q1305	23213861	TR 2SB546/546A (K)/(L)	Q2101	23205955	TR 2SC458(D)
Q1306	23206631	TR 2SC1213AC	Q2102	23205955	TR 2SC458(D)
Q1307	23206631	TR 2SC1213AC	Q2103	23205955	TR 2SC458(D)
Q1308	23206815	TR 2SA673A B/C	Q2104	23205955	TR 2SC458(D)
Q1309	23215915	TR 2SD401A(K)	Q2105	23205955	TR 2SC458(D)
Q1310	23213861	TR 2SB546/546A (K)/(L)	Q2106	23205955	TR 2SC458(D)
Q1311	23206631	TR 2SC1213AC	Q2107	23205955	TR 2SC458(D)
Q1312	23206631	TR 2SC1213AC	Q2108	23205955	TR 2SC458(D)
Q1313	23206815	TR 2SA673A B/C	Q2109	23205955	TR 2SC458(D)
Q1314	23215915	TR 2SD401A(K)	Q2110	23206631	TR 2SC1213AC
Q1315	23213861	TR 2SB546/546A (K)/(L)	Q2111	23206815	TR 2SA673A B/C
Q1316	23206631	TR 2SC1213AC	Q2112	23206631	TR 2SC1213AC
Q1317	23206631	TR 2SC1213AC	Q2113	23205955	TR 2SC458(D)
Q1318	23206815	TR 2SA673A B/C	Q2114	23206815	TR 2SA673A B/C
Q1319	23215915	TR 2SD401A(K)	Q2115	23206631	TR 2SC1213AC
Q1320	23213861	TR 2SB546/546A (K)/(L)	Q2116	23206631	TR 2SC1213AC
Q1321	23206631	TR 2SC1213AC	Q2117	23206815	TR 2SA673A B/C
Q1322	23206631	TR 2SC1213AC	Q2118	23206815	TR 2SA673A B/C
Q1323	23206815	TR 2SA673A B/C	Q2119	23205955	TR 2SC458(D)
Q1324	23215915	TR 2SD401A(K)	Q2120	23205955	TR 2SC458(D)
Q1325	23213861	TR 2SB546/546A (K)/(L)	Q2121	23206815	TR 2SA673A B/C
Q1326	23206631	TR 2SC1213AC	Q2122	23206631	TR 2SC1213AC
Q1327	23206631	TR 2SC1213AC	Q3001	23206375	TR 2SA673C/D
Q1328	23206815	TR 2SA673A B/C	Q3002	23205981	TR 2SC458B/C/D
Q1329	23215915	TR 2SD401A(K)	Q3003	23205981	TR 2SC458B/C/D
Q1330	23213861	TR 2SB546/546A (K)/(L)	Q3004	23213515	TR 2SA836/844D/E
Q1381	2320682	TR 2SA673A(C)	Q3005	23205981	TR 2SC458B/C/D
Q1382	2320682	TR 2SA673A(C)	Q3006	23213515	TR 2SA836/844D/E
Q1383	23215915	TR 2SD401A(K)	Q301	23205981	TR 2SC458B/C/D
Q1384	23215915	TR 2SD401A(K)	Q3012	23205981	TR 2SC458B/C/D
Q1386	23205955	TR 2SC458(D)	Q3015	23205981	TR 2SC458B/C/D
Q1387	23205955	TR 2SC458(D)	Q302	23205981	TR 2SC458B/C/D
Q1501	23205981	TR 2SC458B/C/D	Q303	23205981	TR 2SC458B/C/D
Q151	2323521	TR 2SD789B/C/D/E	Q304	23205981	TR 2SC458B/C/D
Q1701	23205981	TR 2SC458B/C/D	Q305	23205981	TR 2SC458B/C/D
Q1702	23205981	TR 2SC458B/C/D	Q306	23205981	TR 2SC458B/C/D
Q1703	23205981	TR 2SC458B/C/D	Q307	23205981	TR 2SC458B/C/D
Q2001	2320591	TR 2SC458B/C	Q308	23206375	TR 2SA673C/D
Q2002	2320591	TR 2SC458B/C	Q309	23216215	TR 2SC458(B/C)/2SC1740
Q2003	2320591	TR 2SC458B/C	Q311	23205981	TR 2SC458B/C/D
Q2004	2320591	TR 2SC458B/C	Q312	23213515	TR 2SA836/844 D/E
Q2005	2320591	TR 2SC458B/C	Q313	23205981	TR 2SC458B/C/D
Q2006	2320591	TR 2SC458B/C	Q314	23205981	TR 2SC458B/C/D
Q2007	2320591	TR 2SC458B/C	Q315	23205981	TR 2SC458B/C/D
Q2008	23206375	TR 2SA673C/D	Q316	23205981	TR 2SC458B/C/D
Q2009	2320591	TR 2SC458B/C	Q317	23205981	TR 2SC458B/C/D
Q2010	2320591	TR 2SC458B/C	Q318	23205981	TR 2SC458B/C/D
Q2011	23213515	TR 2SA836/844D/E	Q320	23213515	TR 2SA836/844D/E
Q2012	23206375	TR 2SA673C/D	Q321	23205981	TR 2SC458B/C/D
Q2014	23216215	TR 2SC458(B/C)/2SC1740	Q322	23205981	TR 2SC458B/C/D
Q2015	23216215	TR 2SC458(B/C)/2SC1740	Q323	23205981	TR 2SC458B/C/D

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SYMBOL NO.	PARTS NO.	DESCRIPTION
Q4001	2320647	TR 2SC1213C/D
Q4004	23206375	TR 2SA673C/D
Q4005	23206375	TR 2SA673C/D
Q401	23206375	TR 2SA673C/D
Q4051	23205981	TR 2SC458B/C/D
Q4052	23205981	TR 2SC458B/C/D
Q4053	23205981	TR 2SC458B/C/D
Q4054	23205981	TR 2SC458B/C/D
Q4055	23205981	TR 2SC458B/C/D
Q4056	23205981	TR 2SC458B/C/D
Q4101	23205981	TR 2SC458B/C/D
Q4102	23205981	TR 2SC458B/C/D
Q501	23205981	TR 2SC458B/C/D
Q502	23205981	TR 2SC458B/C/D
Q503	23205981	TR 2SC458B/C/D
Q504	2320647	TR 2SC1213C/D
Q505	23205981	TR 2SC458B/C/D
Q506	23205981	TR 2SC458B/C/D
Q507	23205981	TR 2SC458B/C/D
Q508	23205981	TR 2SC458B/C/D
Q601	23206375	TR 2SA673C/D
Q661	23216215	TR 2SC458(B/C)/2SC1740
Q662	23216215	TR 2SC458(B/C)/2SC1740
Q701	2326216	TR 2SC3116S/T
⚠Q702	23244121	TR 2SD1455
⚠Q703	2326218	TR 2SC3116T
Q704	2323901	TR 2SC3026
Q705	2327541	TR 2SC3675
Q707	2323432	TR 2SC1983R/O/Y
Q708	23206375	TR 2SA673C/D
⚠Q720	23206375	TR 2SA673C/D
⚠Q721	2327541	TR 2SC3675
Q722	23205955	TR 2SC458(D)
Q723	23213515	TR 2SA836/844D/E
Q751	23205981	TR 2SC458B/C/D
⚠Q851B	2320591	TR 2SC458B/C
Q851G	2320591	TR 2SC458B/C
Q851R	2320591	TR 2SC458B/C
⚠Q852B	2320591	TR 2SC458B/C
⚠Q852G	2320591	TR 2SC458B/C
Q852R	2320591	TR 2SC458B/C
⚠Q853B	23212215	TR 2SC1514
Q853G	23212215	TR 2SC1514
Q853R	23212215	TR 2SC1514
⚠Q901	2324795	TR MN520
⚠Q902	2324795	TR MN520
⚠Q903	2321112	TR 2SA778AK-02
⚠Q904	2321112	TR 2SA778AK-02
⚠Q905	2326631	TR CR5AS-8
⚠Q906	2321112	TR 2SA778AK-02
⚠Q907	2326631	TR CR5AS-8
⚠Q908	2327151	TR 2SD756AD03
⚠Q951	2323521	TR 2SD789B/C/D/F
⚠Q952	23206375	TR 2SA673C/D
Q953	23206375	TR 2SA673C/D

DIODES

D0002	23312015	DI WO-6B
D0107	23383211	DI 1SS270TA
D0110	23383211	DI 1SS270TA
D0111	23383211	DI 1SS270TA
D0114	23383211	DI 1SS270TA
D0115	23383211	DI 1SS270TA
D0117	23383211	DI 1SS270TA
D0118	23383211	DI 1SS270TA
D0120	23383211	DI 1SS270TA
D0121	23383211	DI 1SS270TA
D0122	23383211	DI 1SS270TA
D0123	23383211	DI 1SS270TA
D0124	23383211	DI 1SS270TA
D0125	23383211	DI 1SS270TA
D0126	23383211	DI 1SS270TA
D0127	23383211	DI 1SS270TA
D0128	23383211	DI 1SS270TA
D0133	23383211	DI 1SS270TA
D0134	23383211	DI 1SS270TA
D0401	23313515	DI 1S2076/1S2473H
D0402	23313515	DI 1S2076/1S2473H
D0403	23313515	DI 1S2076/1S2473H
D1301	23303515	DI 1S2076
D1302	23303515	DI 1S2076
D1303	23303515	DI 1S2076
D1304	23303515	DI 1S2076
D1305	23303515	DI 1S2076
D1306	23303515	DI 1S2076
D1307	23303515	DI 1S2076
D1308	23303515	DI 1S2076
D1309	23303515	DI 1S2076
D1310	23303515	DI 1S2076
D1311	23303515	DI 1S2076
D1312	23303515	DI 1S2076
D1381	23303515	DI 1S2076
D1404	23313515	DI 1S2076/1S2473H
D1405	23313515	DI 1S2076/1S2473H
D1406	23313515	DI 1S2076/1S2473H
D1501	23313515	DI 1S2076/1S2473H
D1502	23313515	DI 1S2076/1S2473H
D1503	23313515	DI 1S2076/1S2473H

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SYMBOL NO.	PARTS NO.	DESCRIPTION
D1505	23313515	DI 1S2076/1S2473H
D1506	23313515	DI 1S2076/1S2473H
D1507	23313515	DI 1S2076/1S2473H
D1601	23320321	LED SLR53GG
D1602	23320321	LED SLR53GG
D1603	23320315	LED SLR54URC
D1604	23320315	LED SLR54URC
D1701	2336381	DI PH-309
D1709	23313515	DI 1S2076/1S2473H
D2001	23313515	DI 1S2076/1S2473H
D2002	23313515	DI 1S2076/1S2473H
D2004	23313515	DI 1S2076/1S2473H
D2005	23313515	DI 1S2076/1S2473H
D2006	23313515	DI 1S2076/1S2473H
D2007	23313515	DI 1S2076/1S2473H
D2008	23313515	DI 1S2076/1S2473H
D2010	23313515	DI 1S2076/1S2473H
D2011	23313515	DI 1S2076/1S2473H
D2012	23313515	DI 1S2076/1S2473H
D2013	23313515	DI 1S2076/1S2473H
D2014	23313515	DI 1S2076/1S2473H
D2015	23313515	DI 1S2076/1S2473H
D2016	23313515	DI 1S2076/1S2473H
D2017	23313515	DI 1S2076/1S2473H
D2018	23313515	DI 1S2076/1S2473H
D2019	23303515	DI 1S2076
D2101	23303525	DI 1S2076A
D2102	23303515	DI 1S2076
D2103	23303515	DI 1S2076
D2104	23303515	DI 1S2076
D2105	23303515	DI 1S2076
D2107	23303515	DI 1S2076
D2108	23303515	DI 1S2076
D2109	23303515	DI 1S2076
D2110	23303515	DI 1S2076
D3007	23383211	DI 1SS270TA
D301	23313515	DI 1S2076/1S2473H
D302	23313515	DI 1S2076/1S2473H
D305	23313515	DI 1S2076/1S2473H
D307	23313515	DI 1S2076/1S2473H
D308	23313515	DI 1S2076/1S2473H
D309	23313515	DI 1S2076/1S2473H
D310	23313515	DI 1S2076/1S2473H
⚠D401	23314815	DI V06CS/SIB01-02
⚠D402	23314815	DI V06CS/SIB01-02
⚠D403	23314815	DI V06CS/SIB01-02
⚠D404	23314815	DI V06CS/SIB01-02
D405	23313515	DI 1S2076/1S2473H
D406	23313515	DI 1S2076/1S2473H
D407	23313515	DI 1S2076/1S2473H
D408	23313515	DI 1S2076/1S2473H
D501	23313515	DI 1S2076/1S2473H
D502	23313515	DI 1S2076/1S2473H
D601	23302565	DI V06CS
D602	23313515	DI 1S2076/1S2473H
D603	23313515	DI 1S2076/1S2473H
D604	23313515	DI 1S2076/1S2473H
D605	23313515	DI 1S2076/1S2473H
D606	23305515	DI V09C
D609	23313515	DI 1S2076/1S2473H
D610	23313515	DI 1S2076/1S2473H
D610S	23313515	DI 1S2076/1S2473H
D611	23303525	DI 1S2076A
D611S	23313515	DI 1S2076/1S2473H
D612	23313515	DI 1S2076/1S2473H
D701	2336611	DI RU3
⚠D702	2333001	DI RU2M
⚠D703	2334581	DI ES1A
D704	23313515	DI 1S2076/1S2473H
⚠D705	2334581	DI ES1A
D706	23314815	DI V06CS/SIB01-02
⚠D707	23373611	DI RU4D
⚠D708	23373611	DI RU4D
⚠D712	23388611	DI CTU-G26R
⚠D713	23388611	DI CTU-G26R
⚠D715	23305645	DI V11N
D716	23305645	DI V11N
⚠D717	23303515	DI 1S2076
D718	23305515	DI V09C
D719	23305515	DI V09C
⚠D720	2334581	DI ES1A
D724	23313515	DI 1S2076/1S2473H
D725	23313515	DI 1S2076/1S2473H
D726	23313515	DI 1S2076/1S2473H
D727	23303525	DI 1S2076A
D728	23305645	DI V11N
⚠D730	23313515	DI 1S2076/1S2473H
D731	23313515	DI 1S2076/1S2473H
D751	23313515	DI 1S2076/1S2473H
D852B	23313515	DI 1S2076/1S2473H
D852G	23313515	DI 1S2076/1S2473H
D852R	23313515	DI 1S2076/1S2473H
D853G	23313515	DI 1S2076/1S2473H
D853R	23313515	DI 1S2076/1S2473H
⚠D901	2338312	DI RBV-406
D902	23345925	DI EM1Z
D903	23345925	DI EM1Z
D904	23303525	DI 1S2076A
D905	23345925	DI EM1Z
D906	23345925	DI EM1Z
D907	23345925	DI EM1Z
D908	23313515	DI 1S2076/1S2473H

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SYMBOL NO.	PARTS NO.	DESCRIPTION
⚠D951	23312015	DI WO-6B
D953	23302515	DI V06C
D955	23312015	DI WO-6B
⚠D956	23312015	DI WO-6B
ZD0001	2334241	DI RD16EB
ZD0100	23311545	ZD HZ12(A)/(B)/(C)
ZD0101	23311545	ZD HZ12(A)/(B)/(C)
ZD0102	23311545	ZD HZ12(A)/(B)/(C)
ZD0103	23311545	ZD HZ12(A)/(B)/(C)
ZD0104	23311545	ZD HZ12(A)/(B)/(C)
ZD0105	23311545	ZD HZ12(A)/(B)/(C)
ZD0106	23311545	ZD HZ12(A)/(B)/(C)
ZD0107	23311545	ZD HZ12(A)/(B)/(C)
ZD0108	23311545	ZD HZ12(A)/(B)/(C)
ZD0109	23311545	ZD HZ12(A)/(B)/(C)
ZD0110	23311545	ZD HZ12(A)/(B)/(C)
ZD0111	23311545	ZD HZ12(A)/(B)/(C)
ZD0112	23311545	ZD HZ12(A)/(B)/(C)
ZD0113	23311545	ZD HZ12(A)/(B)/(C)
ZD0114	23311545	ZD HZ12(A)/(B)/(C)
ZD0115	23311545	ZD HZ12(A)/(B)/(C)
ZD0116	23311545	ZD HZ12(A)/(B)/(C)
ZD0117	23311545	ZD HZ12(A)/(B)/(C)
ZD0118	23311545	ZD HZ12(A)/(B)/(C)
ZD0119	23311545	ZD HZ12(A)/(B)/(C)
ZD0120	2331853	ZD HZ-3(C)
ZD0121	23311545	ZD HZ12(A)/(B)/(C)
ZD0122	23311545	ZD HZ12(A)/(B)/(C)
ZD0124	23311555	ZD HZ-12(C)
ZD0125	23311555	ZD HZ-12(C)
ZD0126	2331582	ZD RD24EB
ZD0127	23311555	ZD HZ-12(C)
ZD0128	23311555	ZD HZ-12(C)
ZD0129	23306341	ZD HZ7(A)/(B)
ZD0401	2331831	ZD HZ11A
ZD0402	23311545	ZD HZ12(A)/(B)/(C)
ZD0405	23311545	ZD HZ12(A)/(B)/(C)
⚠ZD0900	2331811	ZD HZ7(A)1
ZD151	23318075	ZD HZ6(C)1
ZD152	23311545	ZD HZ12(A)/(B)/(C)
ZD2001	23318151	ZD HZ7(B)2
ZD3002	23311545	ZD HZ12(A)/(B)/(C)
ZD3003	23311545	ZD HZ12(A)/(B)/(C)
ZD3004	23311545	ZD HZ12(A)/(B)/(C)
ZD301	23311545	ZD HZ12(A)/(B)/(C)
ZD303	23311545	ZD HZ12(A)/(B)/(C)
ZD304	23311545	ZD HZ12(A)/(B)/(C)
ZD401	2331844	ZD HZ12(B)1
ZD4011	23311545	ZD HZ12(A)/(B)/(C)
ZD4012	23311545	ZD HZ12(A)/(B)/(C)
ZD4013	23311545	ZD HZ12(A)/(B)/(C)
ZD4014	23311545	ZD HZ12(A)/(B)/(C)
ZD402	2331844	ZD HZ12(B)1
ZD403	2331844	ZD HZ12(B)1
ZD4102	23311545	ZD HZ12(A)/(B)/(C)
ZD4103	23311545	ZD HZ12(A)/(B)/(C)
ZD4104	23311545	ZD HZ12(A)/(B)/(C)
ZD4105	23311545	ZD HZ12(A)/(B)/(C)
ZD501	23311545	ZD HZ12(A)/(B)/(C)
ZD502	23311545	ZD HZ12(A)/(B)/(C)
ZD503	23311545	ZD HZ12(A)/(B)/(C)
ZD504	23317925	ZD HZ5A2
ZD505	2331802	ZD HZ-6A2
ZD506	23311545	ZD HZ12(A)/(B)/(C)
ZD507	23311545	ZD HZ12(A)/(B)/(C)
ZD509	23311545	ZD HZ12(A)/(B)/(C)
ZD510	23311545	ZD HZ12(A)/(B)/(C)
ZD603	23311545	ZD HZ12(A)/(B)/(C)
ZD702	2331794	ZD HZ-5 B1
ZD704	23311555	ZD HZ-12(C)
ZD705	23354615	ZD HZ24L-2
ZD707	23318051	ZD HZ6(B)2
ZD708	23318151	ZD HZ7(B)2
ZD709	23318575	DI HZ-4(A)
ZD709S	23311555	ZD HZ-12(C)
⚠ZD711	23318075	ZD HZ6(C)1
ZD713	23318415	ZD HZ12(A)1
ZD901	23318151	ZD HZ7(B)2
ZD901S	23311545	ZD HZ12(A)/(B)/(C)
ZD902	23311545	ZD HZ12(A)/(B)/(C)
ZD951	2331844	ZD HZ12(B)1
ZD952	23318051	ZD HZ6(B)2

TRANSFORMERS

T1701	2161994	LOW FREQUENCY COIL
⚠T401	2214301	SOUND POWER TRANSFORMER
⚠T701	2260163	HORIZONTAL DRIVE TRANSFORMER
⚠T702	2214204	HOT
⚠T703	2435341	FLYBACK TRANSFOR
⚠T704	2260163	HORIZONTAL DRIVE TRANSFORMER
⚠T951	2213991	POWER TRANSFORMER

FUSES

⚠F401	2720817	UL FUSE 3.15A

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SYMBOL NO.	PARTS NO.	DESCRIPTION
⚠F402	27208141	FUSE 2A
⚠F903	2720819	FUSE 1.5A
⚠F904	2720819	FUSE 1.5A
⚠F991	2721053	FUSE 5A

COMPOUND COMPONENTS

⚠CP702	0150661	FOCUS PACK MHF174-00
⚠CP902	2790291	COMPOUND COMPONENT
MF0101	21639711	CSA 400MG
MF701	2791062	CERAMIC OSC

COILS

L0101	21229565	LA AXIAL COIL 100 MICRO H ±10%
L0103	21229495	LA AXIAL COIL 33 MICRO H ±10%
L0105	2164362	COIL
L0106	21229565	LA AXIAL COIL 100 MICRO H ±10%
L0108	21229565	LA AXIAL COIL 100 MICRO H ±10%
L0109	21229565	LA AXIAL COIL 100 MICRO H ±10%
L0110	21229421	LA AXIAL COIL 8.2 MICRO H ±10%
L0111	21229565	LA AXIAL COIL 100 MICRO H ±10%
L0112	21222411	LA AXIAL COIL 12 MICRO H
L0113	21222411	LA AXIAL COIL 12 MICRO H
L101	21229565	LA AXIAL COIL 100 MICRO H ±10%
L105	21229565	LA AXIAL COIL 100 MICRO H ±10%
L106	21229565	LA AXIAL COIL 100 MICRO H ±10%
L107	21229565	LA AXIAL COIL 100 MICRO H ±10%
L108	21229565	LA AXIAL COIL 100 MICRO H ±10%
L109	21229565	LA AXIAL COIL 100 MICRO H ±10%
L110	21229565	LA AXIAL COIL 100 MICRO H ±10%
L1701	21229565	LA AXIAL COIL 100 MICRO H ±10%
L2101	21204845	FILTER COIL 3.3 MICRO H
L2102	21204845	FILTER COIL 3.3 MICRO H
L3001	21229565	LA AXIAL COIL 100 MICRO H ±10%
L3002	21229565	LA AXIAL COIL 100 MICRO H ±10%
L3003	21229565	LA AXIAL COIL 100 MICRO H ±10%
L3004	21229565	LA AXIAL COIL 100 MICRO H ±10%
L3005	21411485	1H DL COIL
L3006	21229565	LA AXIAL COIL 100 MICRO H ±10%
L3007	21229565	LA AXIAL COIL 100 MICRO H ±10%
L3008	21229565	LA AXIAL COIL 100 MICRO H ±10%
L301	2164591	FILTER COIL
L3011	2122953	LA AXIAL COIL 56 MICRO H
L302	21204865	FILTER COIL 4700 MICRO H
L501	21229445	LA AXIAL COIL 12 MICRO H
L502	21229445	LA AXIAL COIL 12 MICRO H
L504	21229421	LA AXIAL COIL 8.2 MICRO H ±10%
L505	21229421	LA AXIAL COIL 8.2 MICRO H ±10%
L506	21229421	LA AXIAL COIL 8.2 MICRO H ±10%
L507	21222535	LA AXIAL COIL
⚠L703	2161724	HORIZONTAL LINEARITY COIL
⚠L704	2162541	HORIZONTAL SIZE COIL
L705	21212115	FILTER COIL
⚠L706	21212115	FILTER COIL
L708	21220945	FIXED COIL
L711	21204825	FILTER COIL 100 MICRO H ±10%
L712	21222115	FL-11Z120K
L713	21222115	FL-11Z120K
L714	21222115	FL-11Z120K
L715	21220931	FILTER COIL
L716	21220945	FIXED COIL
L802B	2122252	LA AXIAL COIL 82 MICRO H
L802G	2122252	LA AXIAL COIL 82 MICRO H
L802R	2122252	LA AXIAL COIL 82 MICRO H
L803B	2122247	LA AXIAL COIL 39 MICRO H
L803G	2122247	LA AXIAL COIL 39 MICRO H
L803R	2122247	LA AXIAL COIL 39 MICRO H
⚠L902	2123712	LINE FILTER
L903	21203335	FILTER COIL
L904	21203335	FILTER COIL
L906	21204825	FILTER COIL 100 MICRO H ±10%
L907	2121731	PEAKING COIL
⚠L991	2122744	LINE FILTER

MISCELLANEOUS

⚠RL951	2640336	RELAY
DL3001	2791101	DELAY LINE
DL301	2165582	DELAY LINE
DL302	2165241	DELAY LINE
DL303	2165241	DELAY LINE
⚠FANT	2426675	TUNER ASB-311E
FH401	2721351	FUSE HOLDER
	3799044	CONVER PANEL ASS'Y
	3266193	KNOB
	45195111	4X12 TAPPING SCREW
	2686761	TERMINAL
	3789291	PANEL HOLDER
	3789301	PANEL HOLDER PIN
	4298631	PIN HOLDER
	3118971	CABINET ASS'Y (HCPA)
	4330482	P-SIDE METAL R (HCPA)

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SYMBOL NO.	PARTS NO.	DESCRIPTION
	3810122	CONTROL PANEL ASS'Y
	4330491	P-SIDE METAL L (HCPA)
	4339592	UPPER MIRROR (HCPA)
	4332411	BRACKET FIX METAL A (HCPA)
	4332412	BRACKET FIX METAL B (HCPA)
	4159427	3X10 TAPPING SCREW WITH WASHER
	4524911	HEXAGON FLANGEHEAD 4X12
	4159427	3X10 TAPPING SCREW WITH WASHER
	4618171	RUBBER SPACER A
	3703593	TERMINAL BOARD ASS'Y
	4524913	HEXAGON FLANGEHEAD 4X12 R
	4137976	4X20 TAPPING SCREW WITH WASHER
	37253525	BOARD HOLDER
	4520771	4X18 TAPPING SCREW WITH WASHER
	4526461	TILT SCREW
	3268221	KNOB POWER
	3744171	LEAD CRAMP
	45195115	4X12 TAPPING SCREW
	4159427	3X10 TAPPING SCREW WITH WASHER
	4526322	M8X10 SCREW
	4331941	MIRROR HOLDER U
	3332452	90 KNOB SPRING
	37389021	TRANSISTOR BUSH
	3761011	PWB HOLDER F
	37277021	PWB PLASTIC HOLDER
	45140655	3X16 ZANE
	4159427	3X10 TAPPING SCREW WITH WASHER
	4524911	HEXAGON FLANGEHEAD 4X12
	88131241	WASHER
	88131241	WASHER
	88131241	WASHER
	88151241	WASHER,LOCK 3MM
	88151241	WASHER,LOCK 3MM
	88211141	NUT 3
	88212341	3 NUT
	88211141	NUT 3
	4524911	HEXAGON FLANGEHEAD 4X12
	88111141	3 SPRING WASHER
	88111141	3 SPRING WASHER
	4514065	3X16 ZANE
	43396025	MIRROR HOLDER
	27718925	FERRITE BEADS CORE 004
	27802611	INSULATING PLATE
	4524913	HEXAGON FLANGEHEAD 4X12 R
	27838515	MICA SHEET
	3704556	CONTROL DOOR ASS'Y
	4159427	3X10 TAPPING SCREW WITH WASHER
	2786491	MICA SHEET
	88151241	WASHER,LOCK 3MM
	4336491	CASTER METAL
	45195121	TAPPING SCREW 4X16 MM
	3739671	CORD HOLDER
	4329271	WASHER (F)
	4522901	NUT
	4159411	3X8 KNURL TAPPING SCREW
	3265511	KNOB STEREO
	3761011	PWB HOLDER F
	37277021	PWB PLASTIC HOLDER
	4524911	HEXAGON FLANGEHEAD 4X12
	41379755	4X16 ZA R SCREW
	4332611	P-SHIELD METAL A (HCPA)
	4520771	4X18 TAPPING SCREW WITH WASHER
	4524911	HEXAGON FLANGEHEAD 4X12
	45195121	TAPPING SCREW 4X16 MM
	4744171	LEAD CRAMP
	3799432	CONVERGENCE COVER
	4524911	HEXAGON FLANGEHEAD 4X12
	4520771	4X18 TAPPING SCREW WITH WASHER
	4520771	4X18 TAPPING SCREW WITH WASHER
	3794331	PRESET DRIVER
	4524911	HEXAGON FLANGEHEAD 4X12
	4520771	4X18 TAPPING SCREW WITH WASHER
	4520771	4X18 TAPPING SCREW WITH WASHER
	3702811	CONVER PWB HOLDER
	4520771	4X18 TAPPING SCREW WITH WASHER
	4321071	SPEAKER COVER
	4520771	4X18 TAPPING SCREW WITH WASHER
	4520771	4X18 TAPPING SCREW WITH WASHER
	4524911	HEXAGON FLANGEHEAD 4X12
	3708035	SCREEN FRAME (H)
	3708036	SCREEN FRAME (V)
	4349011	FRAME COVER METAL
	4349041	FRAME METAL (V)
	4349031	FRAME METAL (L)
	4349021	FRAME METAL (U)
	4520771	4X18 TAPPING SCREW WITH WASHER
	4520771	4X18 TAPPING SCREW WITH WASHER
	3727972	HOLDER-AC LINE CORD
	4520771	4X18 TAPPING SCREW WITH WASHER
	4520771	4X18 TAPPING SCREW WITH WASHER
	4524914	4X12 TAPPING SCREW WITH WASHER
	4524912	HEXAGON FLANGEHEAD 4X16
EAB	2663926	8P SUB MINI PLUG PINH
EC	27718925	FERRITE BEADS CORE 004
ECB	26617535	PIN PLUG WITH BASE
ECG	26617535	PIN PLUG WITH BASE
ECR	26617535	PIN PLUG WITH BASE
ECX	26638245	CONNECTOR
ECX	26639245	5P SUB MINI-PLUG PIN
ED	27718931	FERRITE BEADS CORE
EE	2663132	3P PLUG PIN WITH BASE
EI	26638225	PLUG-PIN

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SYMBOL NO.	PARTS NO.	DESCRIPTION
EI	26638225	PLUG-PIN
EM	2663825	6P MINI-PLUG PIN
EM	2663925	6P SUB MINI-PLUG PIN
EMB	2665272	6P PLUG PIN WITH BASE
EMG	2665272	6P PLUG PIN WITH BASE
EMR	2665272	6P PLUG PIN WITH BASE
EN	26638225	PLUG-PIN
EP	26617525	PLUG PIN
EP	26617525	PLUG PIN
EP31	2661751	PLUG PIN WITH BASE
EQ	26617535	PIN PLUG WITH BASE
EQ92	26617535	PIN PLUG WITH BASE
EQ93	26617525	PLUG PIN
EQ94	26617525	PLUG PIN
ER	2663829	7P MINI-PLUG PIN
ERK	2661756	1P PLUG PIN WITH BASE
ESB	2663825	6P MINI-PLUG PIN
ESB	2663825	6P MINI-PLUG PIN
ESE	2661756	1P PLUG PIN WITH BASE
ESJ	26707715	JACK
ESJ	26707715	JACK
ESZ	26638275	10P PLUG PIN
ESZ	26638275	10P PLUG PIN
EW	88151241	WASHER,LOCK 3MM
EX	2663825	6P MINI-PLUG PIN
EXV	26639215	2P SUB MINIATURE PLUG PIN
EYD	2661756	1P PLUG PIN WITH BASE
EYD	2661756	1P PLUG PIN WITH BASE
E04	37218325	FASTENNER
E202	2982471	300-75 VHF ADAPTER
E3	2671858	3P PIN JACK
E301	2970611	REMOTE CONTROL TRANSMITTER
⚠E402	2721351	FUSE HOLDER
E6	2982741	SOCKET
⚠E6001	2442842	DEFLECTION YOKE
E6003	2691805	ANODE COVER
E6004	2460187	HV BOX
E702	2786491	MICA SHEET
E801	2953101	CPT SOCKET
E901	2742552	AC LINE CORD
E902	2786491	MICA SHEET
E902N	37722015	AC CORD HOLDER
⚠E903	2721351	FUSE HOLDER
⚠E904	2721351	FUSE HOLDER
⚠E991	2721351	FUSE HOLDER
E993	2771891	FERRITE BEADS CORE 003
N	4159427	3X10 TAPPING SCREW WITH WASHER
N	45195015	3X10 B-TIGHT TAPPING SCREW
ND712X	87814385	3X8 TAPPING SCREW
N001	3731081	PURSE LOCK
N002	3731081	PURSE LOCK
N002	3737101	PATH LOCK
N003A	37637515	SK BINDER
N009	88151261	LOCKING WASHER 4
N01	3763751	SK BINDER
N102	41594115	3X8 KNURL TAPPING SCREW
N117B	4159427	3X10 TAPPING SCREW WITH WASHER
N118	41594115	3X8 KNURL TAPPING SCREW
N402	41594115	3X8 KNURL TAPPING SCREW
N5000H	3799079	SCREEN ASS'Y (HCPA)
N6004	27814411	EARTH SPRING
N6005	37637515	SK BINDER
N622	47707721	3 NUT
N641	45140635	3X8 SCREW
N642	88131241	WASHER
N643	88211141	NUT 3
N652	88131241	WASHER
N653	88211141	NUT 3
N7020	3704181	PVC WASHER
N705	42360511	HEAT SINK
N705A	87814385	3X8 TAPPING SCREW
N706	27863015	TRS SHEET
N707	42360511	HEAT SINK
N707A	87814385	3X8 TAPPING SCREW
N708	41594115	3X8 KNURL TAPPING SCREW
N801A	27843425	CONDENSER COVER
N802A	27843425	CONDENSER COVER
N803	87814385	3X8 TAPPING SCREW
N806	3763752	SK BINDER
N901A	41594145	3X6 KNURL TAPPING SCREW
N901D	88131241	WASHER
N901E	88211141	NUT 3
N902A	41594115	3X8 KNURL TAPPING SCREW
N902D	88211141	NUT 3
N902E	88131241	WASHER
N902F	27863015	TRS SHEET
⚠SG801B	23400375	SPARK GAP
⚠SG801G	23400375	SPARK GAP
⚠SG801R	23400375	SPARK GAP
⚠SG802B	23400375	SPARK GAP
⚠SG802G	23400375	SPARK GAP
⚠SG802R	23400375	SPARK GAP
⚠SP401	2412921	SPEAKER 160MM
⚠SP402	2412921	SPEAKER 160MM
⚠SP403	2410953	SPEAKER 50MM
⚠SP404	2410953	SPEAKER 50MM
S1501	2632791	KEY SWITCH 7P
S1502	2631978	KEY SWITCH (6P)
S1504	26318611	PUSH SWITCH
S1601	26317225	KEY SWITCH
S2001	26202815	SLIDE SWITCH
S2002	2631813	PUSH ROCK SWITCH

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SYMBOL NO.	PARTS NO.	DESCRIPTION	SYMBOL NO.	PARTS NO.	DESCRIPTION
S601	26202815	SLIDE SWITCH			
⚠U101	2426944	F7-3812A			
⚠V1B	4049743	170KB22(B) ASS'Y (HCPA) (HSCCMD)			
⚠V1G	4049742	170KB22(G) ASS'Y (HCPA) (HSCCMD)			
⚠V1R	4049741	170KB22(A) ASS'Y (HCPA) (HSCCMD)			
X0101	2785302	CRYSTAL 4.5MHZ			
X501	2790441	CRYSTAL			

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